work. We are always willing to receive suggestions. We desire to co-operate with the farmers and to help them in every

experimental nature related to the wel-

nd unremunerative. A macadam road has recently been com-

are of Tennessee agriculture.

GOLMAN'S RURAL WORLD

NOBMAN J. COLMAN, Editors. LEVI CHUBBUCK,

Published weekly at 721 Olive St., Rooms 1113, 1214, 1215 and 1216 Chemical Building. corner Olive and Eighth Sts., St. Louis, Mo., at one dollar a year. Bastern Office, Chalmer D. Colman, 520 Temple Court,

Mo, at the control of the control of

SPECIAL OFFER.

While the regular subscription price for the RURAL WORLD will remain at one dollar per year, yet, in order to more than double our present circulation for the year 1900 we have determined for a brief period to allow all of our present sub scribers to renew their sbscriptions by sending the name of a NEW subscriber with their own for one dollar-thus getting two papers for one year for only on dollar. In all cases, however, the addi tional name or names must be new subscribers. Renewals will not be received at fifty cents, except when accompanied by a new subscriber. Two NEW subscribers at the same time, however, will be received for one year for one dollar. New subscribers can also send additional new subscribers on the same terms. This is below the actual cost of the paper. But so anxious are we to have the RURAL WORLD enter tens of thousands of new homes that we are willing to make this low offer. We know the RURAL WORLD is doing a grand work in uplifting the farmer, and we are more than anxious that its benefits shall be extended to the widest limits, hence this special offer. We hope to have 100,000 subscribers on our list for 1900.

THE FARMERS OF TENNESSEE

of the RURAL WORLD, because of the Illustrated article on this page, descriptive of the work that is being done at the State Experiment Station for the advancement of Tennessee agriculture, and the report of the West Tennessee Fruit

much service to the farmers of the state if given proper heed. There is, as appears from the report of the West Tensessee Fruit Growers' meeting, a disposition to criticism the station measure. if given proper heed. There is, as appears from the report of the West Tenessee Fruit Growers' meeting, a disposition to criticise the station management, and to assume that better work would be done if the station were located in the atrawberry region of the western part of the state. The RURAL WORLD sympathizes with the fruit growers in their desire to get information, but if a successful effort were to be made to transfer the station from Knoxville to a point in West Tennessee in the midst of the small fruit district, and it be converted into a fruit experiment station, would not the farmers and stock men in other parts of the state feel that they had been unjustiy treated? The work of an agricultural experiment station must be comprehensive, and it hardly matters where it is located in a state, the work can be made very helpful to all sections, no matter how different they may be in soil, topography or otherwise, if the station workers are anxious to serve all interests. It is pressible to add to the effectiveness of the work by locating sub-stations in different sections of the state where peculiar conditions exist and special lines of farming have been developed. But if this is done these local relations should by all means be connected with the State Station in Such a manner that the such as a successful and provided in the state Station in Such a manner that such as a state of the station workers are anxious to serve all interests. It is present the such as a such as a such as a such as such as a such a

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EXPERIMENT WORK

At the Tennessee Agricultural Experi-

The Tennessee Agricultural Experiment Station, Knoxville, Tenn.

Editor RURAL WORLD: The idea and purpose of an experiment station are often misunderstood. Many think that it is an office to furnish information on any and all subjects in the world. This is an error. Its proper function is to make original and scientific investigations and to disseminate knowledge concerning them. Scientific facts of real use are not to the seed secured at this station has proved to be one-half waste and mixed with all sorts of obnoxious weeds. In our seed laboratory, an experimental test of all grains sown in our plats will be made and recorded to show the mportance of seed selection and impress the necessity of the farmers grow ing more of their own seed.

A pot experiment is under way to study

From the Missouri Agricultural College. From the Missouri Agricultural College. Winter Courses in Agriculture at the Missouri College closed on March 23. The total enrollment reached 45, most of the several million dollars, worth of corn stalks. If these had been ensiloed or shredded, the present difficulty of securing roughage would have been solved.

A pot experiment is under way to study

Visitors are always welcome at the disas, the following

use only good seed. It is astonishing to find how trashy some of the seed offered for sale is; some seed secured at this station has proved to be one-half waste and the farm crops. A relative study of the merits of corn stover and sliage is in progress. If shredded corn stover is the equal of sliage for feeding, it is of vast transvariance to the farmers of our state.



ANDREW M. SOULE, Professor and Agriculturist, University of Tennessee

from mouth to mouth and regarded as un-important and insignificant have required for their solution many years of patient inquiry. The only hope for successful work by an experiment station is the adoption of a definite policy and the pur-suance of this with uninterrupted zeal for a number of years. It takes time to re experimental data of value. We ask our readers to bear this fact in mind and exercise due consideration, if all their questions are not answered off-hand as they expect.

The first feature of the work at the Ter rement of Tennessee agriculture, and report of the West Tennessee Fruit vers' meeting, which will be found on three west tention to is the plat work now being prosecuted. This will comprise some-The RURAL WORLD is pleased to note that the present management of the Tennessee Experiment Station seems to be doing good work and such as will be of and the fertilizers adapted to the promuch service to the furners of the state. thing like four hundred and fifty plats

discovered in a minute. A thousand of the influence of lime on the upland claythe sayings that are constantly passed of Tennessee, also on the principal type profitable production by the use of green

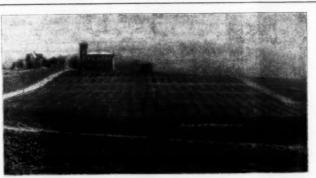
of our soils that are now apparently ex-hausted may be brought into active and

and their general effectiveness has re-noved one of the greatest objections to ountry life. The fact that they promote culture, that they give ease of transpor-tation, that they increase sociability, that they present a pleasing aspect to the lands in their vicinity, should be sufficient to stimulate greater efforts for their gen-eral construction throughout the rural manuring and liming. The object of this experiment is to demonstrate, if possible, the feasibility of this plan.

The department has been feeding eight

the feasibility of this plan.

The department has been feeding eight grade Shorthorn steers laring the past winter. The object is to study the cost of beef production in Tennessee and to endeavor to find the most economical com-



EXPERIMENTAL WHEAT PLATS. UNIVERSITY OF TENNESSEE.

NUBS OF NEWS.

a mass meeting of the class, the following resolutions were voluntarily adopted: Whereas, We, the students of the Short station. The publications are free and we ask the cordial support of the farmers of the state in the development of our Courses in Agriculture, who have availed

ourselves of the opportunity of attending said courses, have been greatly benefited; therefore, be it Resolved, That the course which has

possible way. We believe we can do this effectively, but we in turn must have the sympathy, interest and aid of our constituents, if our work is to be successful.

Just closed has been well adapted to our needs, and that we appreciate the earnest and zealous efforts of the instructors, and ympathy, interest and aid of our con-tituents, if our work is to be successful.

In the new agricultural building which will soon be erected considerable space we hereby express to them our sincered thanks and gratitude.

Resolved, Also, that a copy of these results of the study of the thanks and gratitude.

Resolved, Also, that a copy of these resolutions be transmitted to each of the

newspapers of Columbia, and that a copy This department has recently completion of the several inside a study of the conformation of the Signed:

J. C. KIRTLEY, Savannah, Mo. be sent to each of the several instructor

trations have been prepared and a bulletin will soon be issued on this subject. It wRIGHT CLARKE, Jefferson City, Mo. will indicate, in so far as can be done by words and pictures, the type of animal

Soil Physics Laboratory.—The Missour to be sought for various purposes and the type that is likely to prove unsatisfactory College has within the past month fitted a new laboratory with complete equipment for work in soil physics and the mechanical analysis of soils. The working apparatus now on hand consists of high power microscopes, delicate and coarse pleted on the University farm. The pur-pose was to put down a road to give fa-cility in moving over the farm, but espebalances, drying ovens, sieves, crucibles cially as an object lesson to farmers vis-iting us from time to time. The import-ance of good roads is now clearly recog-nized. The greatest drawback to rural ment is a collection of 60 metal soil tubes, life has been the lack of facilities of transportation. The economy with which macadam roads can now be constructed and their general effectiveness has revoir at the bottom and a tight cover for the top. These tubes have been filled with various kinds of soil, representing the dif-ferent types found in Missouri. Students will now be able to experiment with the many questions of vital interest to the traveler and increase the value of farm farmer, such as the moisture holding

from different firms of several brands of Editor RURAL WORLD: When sorg-hum has been planted early for fodder and weeds have got mixed with it to dam-age the fodder, it is best to have it cut in

SORGHUM FODDER.

Editor RURAL WORLD: When sorg

and Horticultural Societies of England and Scotland have been purchased and bound, amounting to over 100 volumes. The bulletins and reports of all the experiment stations of the United States, and the numerous reports and pamphlets what represents in the aggregate mixed what he loses is often caused by new the conscience against plain and proceed to waste with a recklet issued by the U. S. Department of Agri-culture have been bound in permanent orm, aggregating nearly 300 volumes. The ibrary also maintains in bound form omplete files of all the leading agricultural papers of the world. It now has complete sets of the oldest and most important agricultural journals from the beginning of their publication to the present complete sets of the world. It now has complete sets of the oldest and most im-portant agricultural journals from the be-ginning of their publication to the present time. There has also recently been pur-chased complete sets of the Trotting and Saddle Horse Registers, the Berkshire and Poland-China Herd Books and Shron shire and Merino Sheep Records. The library has for some time had complete files of the most important stud books,

13RARY. RECEIVED

service of the U. S. Weather Bureau, located in the Agricultural College at Co-lumbia, has been greatly improved by the recent addition of an assistant meteorolo-list to the force, Mr. H. C. Mules how. gist to the force. Mr. H. C. Miller has been detailed to fill the place, and will begin his duties at once. For the past year he has been in the Weather Bureau service at Kingstown, Jamaica, but was formerly a resident of Viroqua, Wisconsin. The salary of A. E. Hackett, Director of the Missouri Section, has also been increased. The edition of the weekly crop creased. The edition of the weekly crop and the wisdom of this plan has been among the grown of the province of the province of the province of the province of the home of the lawmaker to the home of the home of the lawmaker to the home of the he has been in the Weather Bureau Servbulletin, which is printed during the grow-ing season, was increased to 2,000 copies. ing season, was increased to 2,000 copies, in order to be able to supply not only the correspondents and newspapers, but also a large number of the more important postoffices of the State which have agreed to post the information for the benefit of the public. The Bureau expects soon to be able to publish several hand-books and bulletins giving a complete history and description of Missouri's climatology.

Fleased With the Silo.—Mr. John Patrone and published with the Mister and soul-attring sound of the drum have, as the soldier marched side by side, brought back to him the Potomac."

On this far-famed thoroughfare may be seen people from all quarters of the globe.

shows the amount of wheat remaining in farmers' hands on March 1, 1900, to be, ap-

with first direct, and it be converted. The stability of the first stable of the stabl

sessing this treasure. Complete sets of the transactions of the Royal Agricultural startling and sensational statistics we obdurate our conscience against plain facts

that passes beyond a logical analysis.

The farmer is not alone in this waste of what represents in the aggregate millions. What he loses is often caused by neglect. The waste, a criminal waste, of a certain class of people in the way of food, is ouched upon by an eminent European essayist, who says: "The millionaire say ders the results of man's labor to gratify builds houses of unnecessary size and fills them with superfluous furniture. He takes men away from useful production and naintains them in criminal idleness as lackeys and companions, or in semi-oc pation as coachmen, body servants, etc. But in regard to provisions, he consumes more than four times what he actually rethe Shorthorn Herd Books, Hereford Record, Holstein-Friesian and Jersey Registers, and all of the most modern text books on agricultural and animal industrie. This library now forms as complete the This library no try. This library now forms as complete and efficient a laboratory for research work and study as can be found in printed pages.

Missouri Weather Bureau Service.—The Missouri Section of Climate and Crop Service of the U. S. Weather Bureau, located in the Agricultural College at Columbia, has been executed in the Agricultural College at Columbia, has been executed in the Agricultural College at Columbia, has been executed in the Agricultural College at Columbia, has been executed in the Agricultural College at Columbia, has been executed in the College at Columbia, has been executed in the College at Columbia, has been executed in the civilized world; with their families we can estimate the number at five millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions. These five millions would consume provisions sufficient for twenty millions.

A FAMOUS THOROUGHFARE.—Fenn-sylvania avenue is said to be one of the broadest and most famous avenues in the world. From the Capitol to the White House is about a mile, and a stroll from the home of the lawmaker to the home of the President on a bright sunshiny day is full of interest. Pennsylvania avenue was

farmer, such as the moisture holding power of different soils, rate of evaporation from the surface under different methods of tillage; rate of percolation through earth, capillary power of soils, influence of different mulches, effect of plowing, rolling, etc. A special class of eight advanced students are now taking this work under direction of Prof. F. B. Mumford.

Such as the moisture holding a complete history and description of Missour's climatology.

Pleased With the Silo.—Mr. John Patterson, of Kirksville, Mo., former president of the State Dairyman's Association, decided two years ago to grow cow-peas for his dairy cattle. When the time came to harvest his peas, the season was so wet that he saw no opportunity to cure his cow-pea hay. He had often heard of the passing scenes or perhaps arranging his speech to deliver to the Great Father.

The street has an animated coarsenance of the silo, but had never raised his faith to the passing scenes or perhaps arranging his speech to deliver to the Great Father. wet that he saw no opportunity to cure this work under direction of Prof. F. B. Mumford.

Additions to Agricultural Museum.—The college has recently purchased for its museum a complete set of the different grades and types of wool, over 600 in number. These samples were exhibited at the Comaha Exposition by the New York Wool Exchange, and represent all kinds of wool in the flace, he hurried to town, bought large stave silo for his peas. They were defined to the could be found on the market. They will afford a valuable field for study in this line.

The American Glucose Company has donated to the college a complete set of samples of all the products derived from corn, about 35 in all. These products are exhibited in glass jars, and include several kinds of sugar, starch, dextrin, glucose, corn oil, corn cake, bran and other cattle feeds, compressed pith, brown paper, and a substitute for rubber. It is a very interesting exhibit, and shows what undeveloped resources there are in this king of plants—corn.

The college has also received a donation from different firms of several brands of the Agricultural Department shows the amount of wheat remaining in the plant of the sile of the point of investing in one. But with the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried to town, bought the chance of a lost crop staring him in the face, he hurried

PURE FOODS! Is the Battle Cry.

The Dairy.

ENFORCING THE OLEO LAW

The executive Committee of the size-souri State Board of Agriculture held a meeting in St. Louis last week at which time Mr. L. F. Luthy, oleomargarine in-spector, reported that he had called on merchants throughout the state handling butterine, visiting all but a few of those holding butterine licenses. A majority of the seventy-seven holding licenses signed an agreement to return the unlawful goods and to discontinue the sale of oleomargarine in the future. These seventy seven licenses are held outside of St. Louis-25 at Kansas City, 15 at Joplin, 5 at Sedalia. 4 at Springfield, 4 at St. Joseph. at Hannibai, 2 each at Cameron ar Bluff, and the remainder at 1 other points, where there was only one of two dealers in a town. Three dealers a Sedalia refused to sign the agreem and proceedings will probably be taken against them to enforce the oleomarga-

Mr. Luthy said: "I am now going t devote my time to St. Louis and make a thorough canvass of the dealers in but-terine, with the purpose of enforcing the law. There are 225 licenses in this city nd 234 in the district, issued from the deputy collector's office."

A number of appointments of inspectors, to make tubercular tests of cattle go-

out of Missouri to other states, wer made as follows: Jesse Robards, Thayer W. F. Berry, Joplin; R. C. Moore, Kansas City; F. W. O'Brien, Hannibal; E. Brain. ard, Memphis; R. B. Wilmoth, Chilli-cothe; H. G. Patterson, St. Joseph; Dr. Andre, Ste. Genevieve; E. F. Hendy, Jef. ferson City; R. B. Love, Springfield; Stan Smith Columbia. The appointees ar all veterinarians, and are authorized to make examinations of cattle when called upon at the expense of the cattle owner They will be stationed at their respective places of residence, and a cattle owner wishing an inspection will call upon th inspector nearest the scene of inspection This move is made to meet the quarantine regulations established against Missour-cattle on account of bovine tuberculosis. The inspectors will enter upon the dis harge of their duties as soon as officially notified of their appointment

FEED AND CARE OF COWS. NO. 2.

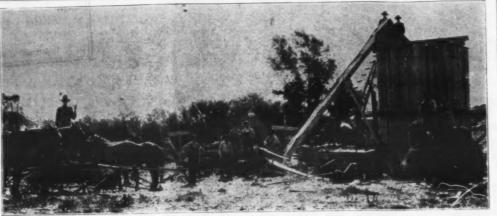
Editor RURAL WORLD: By nature the cow was only intended to give enough milk to sustain her offspring. What she is now is attributable to man, who has changed her characteristics. This has been done by skillful breeding and care until the cow has become what one migh term an artificial creature, with acquire habits so firmly fixed that there are trans missible to her progeny. One of the im-portant duties of the dairyman is to guard against undesirable habits as well as t develop the good in his herd.

I sometimes question the oft-repeated assertion, that the laying on of fat is simply a habit. But whether it is or not, it can be encouraged by improper feeding, and many dairy cows possessing this fault might have been free from it by different treatment, and instead of putting their in the pail. To illustrate what habit will do and the necessity of guarding against bad habits, I want to give my experience with two cows now in our herd. Five years ago we bought two Jersey heifers one a pure-bred, the other a high-grade. Both have grown to be grand cows. The pure-bred is a prepotent cow and transmits to her offsprings her good qualities. The other lacks prepotency, and her heif-ers, even when sired by a good sire, are her grandmother had been cows that al-ways come fresh in the spring. The other was a fall calf from a cow that had always came fresh in the spring. The other ers had been bred when we got them. One dropped her first calf in April, the other Helieving, as I do, that habit has much

months. I want our helfers to drop their first calves any time from January to June, and do not breed them again until the following December. I have two points in view in desiring this: The first is to establish in a helfer the habit of giving railly for a long period; the second is that I get her started as a helfer to 18 from these milk records was that my three boys have not, since March 1, 1889, to April 2, 1990, missed a single milking. The cows allotted to each have not had a change of milkers in 13 months. Who among the RURAL WORLD readers can show such a record? railk for a long period; the second is that I get her started as a winter cow.

Now this is the way we handled the

heifers referred to. They were fed alike and given the same treatment. In February the pure-bred began to shrink in milk We increased and changed her feed, but to no avail. She began laying on fat, and gradually failing in her milk, until she gave less than a half pint a day. We were determined that she should not dry off if we could prevent it, and kept on milking her. About the first of April, much to our page 3 of the Pinner Nisha. ve less than a half pint a day. We were her. About the first of April, much to our surprise, she began to increase in milk same and in a few days was giving as much milk as if she had been fresh. When fall came, the time that she should dry all came, the time that she should dry and her she refused to do so. She has given from customers who have already and from customers who have already son from customers who have already of water at critical times, and that is the better than a dry cow for two or three weeks, when she would again increase to full flow, with no shrinking before coming fresh in the fall. So far this spring she has held up in milk and I hope we have broken up this habit. M. E. KING.



DAIRYING IN NEBRASKA-FILLING A SILO.

very anxious to see what progress had been made in dairying. What I saw in three counties was very disappointing to me. In Waukesha County, where I was raised on a dairy farm, I found the same methods in vogue that were used 25 years ago. The cows were no better, the buildings they occupied no better (taken from a practical standpoint) and their foods no better balanced. The dairymen with whom I talked were a very discouraged et of men, and well they might be, selling the product of the herd as milk at 80c per 8-gallon can, all calves going to the butcher. I expected to find silos on every farm, instead I found them as scarce a one would find them in Missouri, while the Jersey cow is looked upon as a thing

o be severely let alone.

From Waukesha County I went to Walworth County. This county has, perhaps, s many co-operative creameries in it as nty in Wisco of them and found a large amount of milk ing worked up, but on examining the est book and patrons' individual deliveries, I found a very low test and a small amount of milk, considering number of cows kept. On visiting several herds, I easily found the cause of both the low ests and the comparatively small amount of milk. The former was caused by keepng no particular breed of cows, and the atter by keeping the cows in no particr-just-as-it-chanced methods

To renew the herds of this county buyers were at all times on the look-out in the stock yards of Chicago for springers and fresh cows, while the heifer calves were shipped as veal, barring any possibility of herds getting better in years to

stitute was a most enjoyable one. There I net many prominent dairymen and prominent men in all lines of farm work. Pro-fessors Henry, Farrington and Carlyle from the State Dairy School were present. also C. P. Goodrich, Geo. McKerrow, Todd and many others. Mr. Goodrich is the uncle of H. C. Goodrich, vice-president of the Missouri State Dairymen's Associafeed on their form they would have put it ition. He is a man worth meeting. He is thorough dairyman, and one who can n a very entertaining manner, address an udience on the subject. I told him of my equaintance with his nephew in Missouri nd was at once made fully at home by his very cordial manner. He inquired as to the dairy industry of Missouri. Like myself, he is sure that the state will yet e eminently successful in all lines of

Our boys have been figuring up the not as good as the mother. The pure-bred yields of our best cows and heifers as well heifer was a spring calf, her mother and as the poor ones. They found a two-yearold heifer that had passed the 400-pound mark in butter yield, while four other two-year-olds have passed the 300 pound mark, and several mature cows well up towards our goal—400 pounds. As a result of some low yields six cows have had to pass to the land of rails, steaks and oleo margarine

the state, I would not change places with Bryan, Dewey or Fitzsim BUFF JERSEY. Warren Co., Ill.

ON THE SEED DEPENDS THE CROP.

Messrs. Ratekin have received this seniles than \$1 per acre—say about \$0\$ cents on from customers who have already purchased and tested the splendid seed the pioneer establishment is offering this year, we may refer to one that is typical of water at critical times, and that is the converse, when she would again increase to 10 flow, with no shrinking before coming esh in the fall. So far this spring.she is held up in milk and I hope we have to the super acre at the most. This assures plenty of water at critical times, and that is the only question that stands between the owner of a farm in western Nebraska and a big crop. If Dr. Buckner, in Pike county, can average 40 bushels to the acre of his corn, he thinks he is doing well, and yet western Nebraska averages 75 regularly.

Eruptions.

"An eruption all over my body caused a burning larking microbes or germs to be a curse to posterity. Purify the blood form and tried many medicines,

pure, rich, strong blood. No taint of sciolan, in classifier of sciola

DAIRYING IN NEBRASKA.

Editor RURAL WORLD: While agrimanding a good deal of attention in Ne-braska to-day, the dairy interests are beoming an immense factor in the comnercial world of this part of the west The farmers who are engaging in this feature on the side are rapidly acquiring modern methods in handling the business and are getting all pointers they can on the subject from Missouri, Kansas and other states in which dairying has made uch extraordinary progress in the past few years. Siloing is being indulged in to a considerable extent, and the accom-panying illustration shows the silo of B. F. Taylor of Riverton, one of the pro-

ressive dairymen of the West.

Speaking of the subject generally, Mr. "There is nothing like com-Taylor said: ining general farming and dairy work. It is profitable and the two hitch together beautifully. I want to speak especially of silo work in connection with dairying, as the average yield per acre of corn and With a silo one can certainly get the greatest amount of feed from the smallest outlay. A silo built by my son last fall holds 60 tons. It is 14 feet in diameter and 24 feet deep, and requires five acres of heavy corn cut in one inch lengths to fill The silage weighs 30 pounds to the

per day for an ordinary cow. Even with good alfalfa one cannot get that amount of feed with the same labor off the same were in vogue. Dry fodder with corn left on was the principal food. I saw herd; of hogs allowed to run behind cows in land. The silo is seven feet deep in the round and 17 feet above ground, and is hade of good, white pine, from 2x6 sixeen-foot lumber. It is hooped with % iron hoops, each hoop being in three pieces and thus being easily tightened. Heavy half-inch nuts should be used, well threaded. It takes 2,000 feet, board measure, for the umber for such a silo. The lumber is not beveled, but is put in just as it com from the yard. air tight after the hoops are tightened. A door should be cut about two feet from

the ground.
"A machine that will fill such a silo will ost \$75. We have used a cutting machine, but will this fall change the cutter head for a shredded fodder head. This makes better feed than the cut. We cut our corn greatly increases with a harvester the day before we filled the silo. One man with a team can handle five acres daily in this manner. The closer the silo is packed the better it will keen."

Farming, live stock and dairy busine s to-day attracting more attention in Ne braska than any other line of business The opening of a fine stretch of table land in western Nebraska and eastern Wyoin western Nebraska and eastern Wyo-ming by a new railroad is also giving that section a great impetus. This new road runs from Alliance west for 100 miles and opens the country from Alliance, Neb., to Guernsey, Wyo. It is known as the Hartville extension of the Burlington and is commonly said to be the line which will some day be put through to Salt Lake by that company. This line affords railroad facilities to that section of territory 50x10 miles wide, watered by the Great Farm ers' Canal. This institution was constructed in 1892 part of the way by New York capitalists, but was discontinued when the hard times of 1883 came on. Four hundred thousand dollars have been voted by the irrigation districts, and the big ditch will soon be completed. The canal will effects upon the bowels are the very l water 100,000 acres, and with the new rail-road will be a considerable factor in throwing open much virgin soil to settle-

The writer is familiar with the stock and farming industries of Missouri and Kentucky, and comparatively speaking, this part of Nebraska has many advan-tages of the best parts of those two states. Take, for instance, the 300-acre farm of Dr. Buckner in Pike Co., Mo. He regularly has 50 acres in corn, 150 acres in wheat and the balance in pasturage. This is one of the best farms in the far-famed Devil," I will see them distributed. test it for vitality and vigor is at hand, wheat and the balance in pasturage. This superior seed of the kind that "every Pike county region; yet its yield regularly grain will grow," we commend the advertisement on page 3 of the Pioneer Nisha new territory of Nebraska now being

fresh in the fall. So far this spring, she has beld up in milk and I hope we have broken up this habit. M. E. KING.

Labette Co., Kan.

BUFF JERSEY'S VISIT TO WISCONSIN.

Editor RURAL WORLD: Since my last article to the RURAL WORLD I have taken a trip to my native state, Wisconsin, attending a county institute and the state round-up institute. Having been away from the state for 25 years, I was

is less than half as heavy as the Nebraska yield. The live stock, too, from the Neraska farms bring a higher price propor-ionately than the stock from the Kentucky farm. In fact, the rates for live stock at the Union Stock Yards of South Omaha are ten to fifteen per cent higher to-day than they have ever been. The receipts of hogs, cattle and sheep were never so heavy as this year at these yards. Altogether, the agricultural and stock in-terests in this part of the west were nev-

Omaha, Neb. It takes more than one swallow to make a summer, brother, and more than one or two isolated facts to elevate a theory to the dignity of a law. We are inclined to the opinion that Mr. Porter has reached as the average yield per acre of corn and wheat in Missouri and Nebraska for the

er more prosperous than at present

ears 1894 and 1898 inclusive; CORN. 1894 1895 1896 1897 1898 Bush, Bush, Bush, Bush, Bush, ...22.0 36.0 27.6 26.0 26.0 ...6.0 16.1 37.5 30.0 21.0 WHEAT. Missouri's average yield of corn for the

hird less. Nebraska's average whea yield per acre for the five years was 12.5 ushels, while that of Missouri for the ame time was 11.56 bushels, 1.25 bushels ss per acre than was obtained in Nebraska.

None of these showings is at all credit-ble to the respective states. The average yields of both corn and wheat ought to be three times those obtained, and if th rs of Missouri and Neurana intelligent attention to dairying, dopt such a rotation of crops as is es sential to provide a supply of suitable dairy cow food and save the fertilizing material from the stables and yards, ap-

OILMEAL FOR CALVES.

Professor W. A. Henry, of the Wiscon in experiment station, says that for very coung calves it is better to scald the oilneal with water, in order to form a jelly, some of this jelly or pudding can be blaced in a pail of milk. The calf will find as it drains the vessel, and show his appreciation of it by devouring it gre as soon as he has learned its taste., first a few teaspoonfuls of the meal sufficient. When a little older, the me need not be cooked, but fed either with the milk or other grain, as oats or bran in the trough. A handful for a young call and a double handful for an animal 3 or months old will be helpful, and the r mainder of the grain ration can consist or oats and bran, and a considerable quan-tity of corn meal if the animal is designed or beef. Oilmeal is one of the best eeding stuffs for limited use an be procured from Whitelaw Bros., North Second street, St. Louis, Mo

SATISFIED WITH SLUG SHOT.

Hammond Slug Shot Works-Gentlemen: Please add my name to your list of those who use and endorse "Slug

FRANK H. SMITH. Williamsville, N. Y.

nonstrated the great foresight the Boers, in availing themselves of all the opportunities in times of peace to prepare for war. Similar foresight should lead you to improve the opportunity of se-curing better farms than theirs in this country. They are on line of the Chicago, Milwaukee & St. Paul Railway in Marinette County, Wisconsin, where the crop are of the best, work plenty, fine markets, excellent climate, pure, soft water; land sold cheap and on long time. Why rent a farm when you can buy one for less than ou pay for rent? Address C. E. Rollins and Agent, 161 La Salle St., Chicago, Ill

A BICYCLE FREE.-The Mead Cycl co., of Chicago, is offering an up-to-date 1900 model bicycle to any person who will act as their agent. The employment is easy and consists of distributing 1,000 cat alogues in your own town. This seems a easy way of getting a good wheel and it you want one and can give good references, write the Mead Cycle Co., Depart ment -, Chicago, Ill.

The Toronto "Globe" says a Canadia farmer who kept 24 cows and two hired men tested his cows with the Babcock test and found that eight were unprofitable. He disposed of them and let one hired man go, and at the end of the year found that he had made as much money from the 16 as from the 24. Now he has got down to 12 good cows and expects as much from them as he made from twice that number. Now he can increase up to his original number as fast as he can find or grow good cows, and increase his

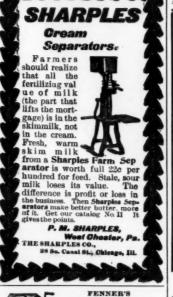
MRS. JOHN GROVES, Big Neck, 111. advertises White Plymouth Rock eggs in this issue. Her birds are all farm raised, and as she breeds only the one kind, can nsure her customers eggs true to name nd from strictly nure stock

ALBERT GUTGESELL, Alfred and canlon avenues, St. Louis, Mo., changes his ad, in this issue and writes as fo lows: "I am offering eggs from a very high grade of selected Barred Plymouth Rocks. Being bred in line for three years, they will produce some very fine chicks My fowls are large and vigorous, grand in shape and nicely barred. No stock for sale excepting a few choice breeding cock-

MRS. WM. BRITE, Monette, Mo., by adding to her breeding pens of Ply mouth Rocks the best birds she can buy One of of her late purchases is from the well-known vards of Mrs. Della Maxwell Fayette. It is the second premium ning cockerel at the late State Po Show, which was given a score Mrs. Maxwell says the sale was due t the RURAL WORLD and she advise those of our readers who are looking fo fair and honest treatment to place order with Mrs. Brite.

THE WOODS EGG-HOLDER.-We can attention of our readers to the adverti ment of Woods' Egg-Holder Co., n. e. Main and Market Sts., St. Louis, Mo., shown on page six. The crate they fer is intended for the farmer's use hauling eggs to town. A wire handle s each of the three smaller siz practical device-the "Century Revolv Cabinet." by use of which eggs can kept in a perfectly fresh condition ordinary cellar for a period of six me Write for their catalog.

A MISSOURI HERD of Holstein Fri sian cattle that Missourians are proud is that owned by M. E. Moore, of Can eron. Mo., which will be found advertiin another column. In this herd a ome of the best bred animals of the brobe found in America, and with reco as milk and butter producers under o ficial test, that are hard to equal. Car eron is the most noted dairy commu in the state (milk by the car load from there to Kansas City daily), Moore's Holsteins have had much to with developing the business





Revolving Six-Sided

CHURN

M. E. Moore's Herd of Holstein-Friesian Cattle,

Cameron, Mo. offering some of the finest breeding, Mech-Empress Josephine, Gerben, Parthenia, Abbe De Kol, Netherland and Pietertse, in this You can get butter producers, milk producgreat prise winners. Official tested cows for 18 27, 100 lbs. at 3 years old to 23 26, 100 lbs. ad cows, in 7 days.





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Writes a regular subscriber, who has read it for many years, of the Twice-a-Week issue of the

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andthis is the unanmous verdict of its more than half a million readers. It is BEYOND ALL COMPARISON, the biggest, best and cheapest national news and family journal published in America. It is STRICTLY REPUBLICAN in politics, but t is above all A NEWSPAPER, and gives ALL THE NEWS promptly, accurately and impartially. It is indispensable to the Farmer, Merchant or Professional man who desires to keep thoroughly posted, but has not the time to read a large daily paper, while its great va-

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ROYAL VARNISH CO., 439 W. Madison St. Chi

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Horticulture.

TEXAS PEACH PROSPECTS.-The rey latest reliable advices from Texas go to show that the state will have quite a crop of peaches, although danger from old snaps is not entirely passed in Northeast Texas, where so much fruit is raised, until towards the middle of April, although rarely does Jack Frost April, atmospherical visit any portion of that state after the last cays of March. I exas will have a great many tomatoes, cantaloupes, watermelons and a fair amount of Irish po-

a good portion of the shipping season is Arkansas. If the various shipping points were organized so that a proper distri-bution of the fruit would be made-so that some markets would not be glutted while others were nearly bare, they could this means avoid many disastrous clashes. It seems proper arrangements of this kind have never been made between these rival states. Thorough organization might solve this problem.

ARKANSAS HORTICULTURISTS-The AKKANSAS IN ARKANSAS STATE HOR-for a station, a new and independent one decident of the transfer of the Knoxville Ex-

ore they were almost unknown that more losses than profits for 1900 might be safely predicted at this time. Some small ship-ments from Rocky Ford, Colo., a few ears ago started the craze. It's true the Colorado product was then a remark-ably toothsome article, excelling in taste, flavor, sweetness and general excellence anything competing. For a few years tine profits arose to the Colorado ship-pers and yet the past two years were omewhat disastrous, as a considerable part of the crop was permitted to decay in the fields for want of paying markets. Unfavorable weather affected their condition and quality.

A MISSOURI FRUIT GROWER .- Per haps the largest individual shipper of fruits and vegetables in the United States during 1900 will be John G. McNair, of this city. He has now growing and in promis-ing condition a trine over 1,000 acres of cantaloupes in Texas. In the same state he has just planted out 150 acres tomatoes, which he expects to commence ship-ping early in June, with the whole counfor a market, as he expects to reach

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NEW.

more in need of organization than the fruit growers and shippers of West Tenhessee was held at Dyer, March 21 and 22. Dyer, being by far the heaviest shipping town in West Tennessee, was a central and appropriate place for the meeting, which was well advertised in advance by J. W. Fisher, chairman of the Committee of Arrangements. It was mainly a business gathering of the men who grow fruits and vegetables for distant markets and the preparatory work for theseason was outlined and reviewed. Reseason was outlined and reviewed. Reduced rates on produce both by freight and express rates to the various and better service from the refrigeration companies sent out to the agents and representatives of the various transportation companies sent out to the agents and representatives of the various transportation companies seeking the business. Superintendent G. W. Agee of the Southern Express Commany from Memphis, Tenn., to whom the business is no small matter, was on hand added the seed and and added and an added and a service and the presentatives of the country. They should be organized to deniand just and equitable to barry while another is giutted. They should be organized to deniand just and equitable to preparatory work for the season was outlined and express rates to the various that is the organized to demand just and equitable to separate to the various that is the wishes to know whether I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have so the wishes to know whether I have it and what I think of it. Yes, I have it and what I think of it. Yes, I have so the wishes to know whether I have it and what I think of it. Yes, I have so the warious the result of the light and express rates to the various the organized to demand just and equitable their thei

HE MILLION DOLLAR POTATO JOHNA SALZER SEED @-LA CROSSEWIS

ablest and most successful horticulturist | Southwest and Southeast Missouri, which | TWO WAYS OF GROWING SWEET PO | TATOES. ablest and most successful horticulturist in the state, is the president of the organization, and to his efforts is largely due the good work of the institute. Mr. Rosamon began reading the RURAL WORLD over 30 years ago at his home in Gadadan over 30 years ago at his home in Gadadan. GEORGIA PEACH PROSPECTS.—Under date of March 2s, regarding the peach crop of Georgia we have the following from a very reliable source:

"Buena Vista, Ga.

"Buena Vi

many other points of minor importance.

A number of freight and contracting agents and representatives of the Armour Refrigerator Line were in attendance, on behalf of shippers as well as oursely on the shippers as well as oursely one of the shippers as well as oursely one of the shippers as well as our self-as our shippers as well as our self-as our se

cultural standpoint. He reviewed the pers everywhere. work at Knoxville for years and the large sums of money expended which had, he said, accomplished so little for the middle and western parts of the state. No one was more susprised at Mr. Rossmon's increase, language, than the continuous control of the state of the state. The continuous control of the state of the s

one enthusiastic member took the noor and in a speech that bristled with sharp criticism over the situation and what he regarded as a slim attendance, declared that a minstrel show at Little Rock would the same that a minimum should be shown in West Tennessee, addressed the organizations of tives that stimulate and give rise to kindred organizations where fortunes are made annually. There is not the least prospect that the growers of such personance or the situation and what he regarded as a slim attendance, declared that a minimum such as a simulation of the situation and what he regarded as a slim attendance, declared that situation and give rise to kindred organizations where fortunes are made annually. There is not the least prospect that the growers of such personance or the situation and what he regarded as a slim attendance, declared that a minimum such as a minimum such as a simulation or the situation and what he regarded as a slim attendance, declared that a minimum such as a secondary or the situation and what he regarded as a slim attendance, declared that a minimum such as a secondary or the situation and what he regarded as a slim attendance, declared that the regarded as a slim attendance to the regarded as a regarded as a slim attendance, declared that a minstrel show at Little Rock would draw together a far larger crowd than his audience amounted to. The speaker might have consoled himself and his hearers with the statement that many other states with similar claims to horticularian process exhibited similar indiffering many process of the profitable and instructive and entertaining. G. G. Fairham, of St. Louis, another well-prospect that the growers of such personal process of the profitable and instructive to all concerned at many other places, where similar such an object of the fruit growers' union is similar subjects are so important to the with the statement that many other states with similar claims to horticulatural progress exhibited similar indifference at their annual gatherings.

The marked and prove both producers and shippers of fruits and vegence at their annual gatherings.

The marked and prove both producers and shippers of fruits and vegence at their annual gatherings.

The marked and prove both producers, where all concerned at many other places, where to secure a living margin on their crops-secure at their annual gatherings.

The marked and prove both producers are so important to the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and vegence at fair reward for the year's work. This makes the producers and shippers of fruits and year to the producers and shippers of fruits and year to the year's work. This makes the producers are the producers and shippers of fruits and year to the year's work at th CANTALOUPES.—The marked and steady increasing demand for the cantastedy increasing demand for the cantasted in the principal markets of the loupe in all the principal markets of the country the past few years has given rise to so many new cantaloupe fields and first one of many new cantaloupe fields and first one of many new cantaloupe fields and first one of the products are sold and discountry the product that they are the products are sold and discountry the product that they are the products and the product that they are the products and they are the products and the product that they are the products are sold and the product that they are the products are sold and the product that they are the products are sold and the product that they are the product that they ar where the products are sold and dis-tributed. The meeting was in all respects

the healthier we become as a nation.

Hence, the public will approve of any tributed. The meeting was in all respects a great success. The next gathering of organization or effort that tends to propthe Institute will be at Humboldt, early in erly reward the producer. July.

BENEFIT OF ORGANIZATION.

A paper read before the Fruit Growers of West Tennessee, at Dyer, Tenn., March 22, by P. M. Kiely, of St. Louis.) Organization is the order of the day and the more complete and thorough the organization the better the results. Any reader of current events cannot fail to see the steady and persistent efforts evident along these lines. Even unskilled labor is becoming well organized and almost every trade and calling has its union and all the various unions are organized into one grand union under one head or Executive Committee, and thus one or two men are in a position to wield an enormous influence, disclosing some of the features of the great battle steadily waged between capital and labor. The forces of each are being steadily organized and strengthened. The growth of the various industrial organizations

saved as well as expenses. One telegram, for instance, is sufficient for all. Hence the merchant can't devote the time or serious attention to the individual that the association merits; so you see as a body your interests are better protected.

If the strawberry growers of West Tenpany from Memphis, Tenn., to whom the business is no small matter, was on hand and addressed the gathering. The organi-for instance, is sufficient for all. Hence

"Buena Vista, Ga.

"The peach crop in this section is not damaged yet, but we don't think it has et passed the danger line, for the cold waves in April are generally more damaging to the fruit crop than at any other season of the year.

"OWENS & WALL."

"OWENS & WALL."

"OWENS & WALL."

"OWENS & WALL."

"The peach crop in this section is not damaged yet, but we don't think it has a robust to-day as the writer found him 30 years ago, when growing straw-berries for distant markets was regarded a risky and ridiculous undertaking and when all West Tennessee did not have gight years ago the start was successfully made at Chicago, where 22 delegates alluly made at Chicago, where gight years ago the start was successfully made at Chicago, where 22 delegates alluly made at Chicago, where 22 delegates alluly made at Chicago, where 22 delegates alluly made at Chicago, where gight years ago the start was successfully made at Chicago, where 22 delegates alluly made at led, representing eight cities, New

The magnitude of the business now is shown by the records. Dyer alone shipped one day last season no less than 23 car loads—over 500 cases to the car. Other big shipping stations are Humboldt, Debraced Factor Humboldt, Debrace Rutherford, Kenton, Henderson, Bethel Springs, Fruitland, Gadsden, Jackson, Medina, Milan, Bradford, Greenfield and to-day 25 of the largest and best markets in the United States in the organization

We found plenty of work to look after on behalf of shippers as well as ourselves. A transportation committee composed of besides a number of commission merchants, a transportation commission merchants, representing leading markets, seeking one merchant from each city was one closer business relations with the growthe subjects up for discussion at the late the subjects up for discussions arising were for discussions arising resulting of the West Tennessee fruit growers. It was shown that the opportunities existing were not properly improved and a great variety of crops largely insulting a good portion of the St. Louis, on "Organizations," which we present on this page. Mr. Kiely being the present o

HORTICULTURAL TALKS.

Grafting Grape Vines .- For many years the chances for doing the work have not been so poor as this year. I have done only a part of mine, and what cannot be done soon will be left until the vines have made shoots a foot or more in length. I clear the ground away from the main stem six inches deep, cutting all the side roots off. If the vine to be grafted starts out several strong roots, I cut them or rather saw them off and put a graft in each of them. Saw the vine off square smooth the stump and then with a thick wide-set saw, very sharp, saw down into the stump one inch. I drive a wedge into the middle, so as to part the cut a little. Then shave the grafts so that they will it into the cuts, setting each graft at the edge in such a manner that the inside the various industrial organizations through refrigerator cars. He will also have in Southern Missouri and in Arkansas 400 acres of straw-berries and his big peach orchard at Koshkonong, Oregon Co., Mo., down near Arkansas, will yield at least 2 cars of very fine peaches. He gard for time accumulated during the past few years have come through for freeze. Besides Mr. McNair will have a heavy apple crop, in his illinois and Missouri orchards. He has a promisent commission house as agent in every large city to handle his goods, who keeps him advised daily by wire during the shipping season.

WEST TENNESSEE FRUIT GROWERS.
The RURAL WORLD is pleased to report that a very successful meeting of the ruit growers and shippers of West Tennessee was held at Dyer, March 21 and 25 yer, being by far the heaviest shipping town in West Tennessee, was a central candidated and many town of the large or the country has been marked and rapid. It seems a man to hold his brown or make any apple construction and many to a commission house as agent in every large city to handle his goods, who keeps him advised daily by wire during the heaviest shipping season.

WEST TENNESSEE FRUIT GROWERS.
The RURAL WORLD is pleased to report that a very successful meeting of the ruit growers and shippers of West Tennessee was held at Dyer, March 21 and 25 yer, being by far the heaviest shipping town in West Tennessee, was a central town in the part of the country the beart and the country in the output has been marked and man the diameter; roots much smaller than diameter; roots much smaller than diameter; roots much smaller than diameter

blacks. I am planting no other. Spraying and Bees.—S. S. Shannon asks whether spraying injures bees or the honey. Mr. Shannon says: "I have some

If the strawberry growers of West Tennessee were organized into a solid union and the growers and shippers of Arkansas equally equipped to act in harmony, there will be no clashing of interests in any of the big markets. Each city will any of the big markets. Each city will enter get its proper share, for while Tennessee and Arkansas are shipping there is little competition from other points until half or more of their crop is marketed.

Editor RURAL WORLD: Living, as do, here in the very best of the sweet p intry, there are some things that I have noticed and learned about the business of growing this crop that may be of value to others. I used to grow sweet potatoes in Ohio and Kansas, but never understood it properly. One of our faults there was, plowing too deep and making

The point of having the ground plowe very shallow is important. The ideal lan surface. The plan followed is to plow no over three inches deep and work into the soil all the light trash that is possible Pine leaves form the bulk of this ma terial. They are mixed with all the ma nure or muck that can be collected ab worked in with the plow with difficult After plowing the land is rolled down, a rolled again. This is again cross plowed after about the same interval.

After the ground gets warm it is laid of into very low ridges 30 inches apart. The sprouts are set on these 15 inches apart The cultivation is frequent but shallo and nearly level, until the last ridging when laying by. In such light soil, almos half-composed of trash, or humus, on would suppose the sprouts would die. But they flourish wonderfully and make large crops of the biggest and best of sweet potatoes. They are not long and stringy when the roots reach the hard st they stop and thicken up, instead of goin on to make long, slender potatoes. If I lived where the soil was heavy

would fill it as full of old hay, straw of any trash that would lighten it and world it over and over before setting th sprouts. Anyone who has never tried this way to grow sweet potatoes and will do so, will find that it is a great improvement on the old plan. H. E. VANDEMAN. Parksley, Va., March 15, 1900,

The season for spraying fruit trees and and western parts of the state. No one was more susprised at Mr. Rosamon's vigorous language than the gentlemen present from Knoxville, who represented the Experiment Station, and who urged that the station should be left where it is. A resolution was finally passed fully setting forth West Tennessee's just claim for a station, a new and independent one if not the transfer of the Knoxville Experiment Station.

In the transfer of the transfer of the knoxville Experiment Station.

In the transfer of the state. No one hour that the post to soon be here. The reports of the past for the it cultural society neight at Latter Rock that perfiment. Station.

In not the transfer of the Knoxville Experiment Station.

Geo. W. Barnett, of Chicago, an experiment station.

It must be admitted, in behalf of the receive all the future reports of the society during your lifetime. An annual membership and the report for 1839 may be had for five dollars, and you will not be found the self-sh modern of the society during your lifetime. An annual membership and the report for 1839 may be had for five dollars, and you will mecessity for organizations and some of the benefits arising therefrom.

It must be admitted, in behalf of the fruit growers, that back of their efforts to organize will not be found the selfish moditive that stimulate and give rise to kindred.

Rock the first performent station.

Geo. W. Barnett, of Chicago, an experiment station.

It must be admitted, in behalf of the fruit growers, that back of their efforts to organize will not be found the selfish moditive station and some of the benefits arising therefrom.

It must be admitted, in behalf of the fruit growers, that back of their efforts to organize will not be found the selfish moditive station and some of the benefits arising therefrom.

It must be admitted, in behalf of the fruit growers, that back of their efforts to organize will not be found the self-shaped organiz

> The Illinois State Horticultural Be has decided to locate a new Experim Station at Dixon for the testing of sma fruit. This station will be under the perintendence of J. L. Hartwell, Presid of the Horticultural Society of North Illinois and Director of Stations for Northern District. Mr. Hartwell is

SPRAYING FRUIT TREES.



The Apiary.

BEE KEEPING.

In Farmers' Bulletin No. 59,

Burpee,

Philadelphia.

A postal card, addressed as above, with your own address plainly written on the other side, will bring, by return mail, entirely without cost, a copy of BURPEE'S FARM ANNUAL FOR 1900.

This is a bright book, full of faithful illustrations and true descriptions of the BEST SEEDS that Grow,—which are sold direct to the planter without any middleman's profit. Interesting and instructive new features for 1900.

ARMSTRONG & MCKELVY T 13 quite generally believed, par-BEYMER-BAUMAN DAVIS-CHAMBERS ticularly by large consumers and FARMESTOCE practical painters, that Pure White ECESTEIN Lead is the best paint. It is because of ATLANTIC BRADLEY this belief that manufacturers of the so-BROOKLYN New York. JEWETT called White Leads, mixtures of Whiting, ULSTER Barytes and Zinc, brand them "White SOUTHERN Lead," "Pure White Lead," etc., etc. You SHIPMAN COLLIER can avoid these by making sure that the

brand is right.

FREE For colors use National Lead Company's Pure White Lead Tinting Colors. Any shade desired is readily obtained. Pamphlet giving full information and showing samples of Colors, also pamphlet entitled "Uncle Sam's Experience With Paints" forwarded upon application.

National Lead Co., 100 William Street, New York.

THOROUGHBRED SEED CORN

NIMS BROS., Seed Corn Specialists, Emerson, Mills Co., Iowa.

RED SEAL

SOUTHERN

MORLEY

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"PRIDE OF NISHNA." It's the corn to plan naturing in 95 to 100 days. Frice F. on per ousnet t. o. v. uer. samples 8 varieties best field corn in existence with 24 page book on corn growing for ed stamps for postage. Address J. R. RATEKIN & SON, Shenandoah, Iowa

Gold Medal Prize-Winning Seed Corn!

ut the Omaha Exposition hast season. If you wish to obtain this genuine variety your, from me, as you will not find it with any other seed firm. \$1.25 per but. 19 bushels \$11. 0 les \$1 per bu. Bags free. Send 4 cents in stamps and receive 4 samples of corn and 28. cs. M. WEST, Shenandoah, Iowa

THE ALBERT DICKINSON CO. GRASS SEEDS, CLOVERS, FLAX SEED, LAWN GRASS, BEANS, PEAS.
POP CORN, BIRD SEEDS, BUCKWHEAT, BAGS, ETC.
OFFICES, WEST TAYLOR ST., AND THE RIVER, CHICAGO

Kills insects on Currants, etc. In SLUG SHU use since 1880. Is effective and safe to use Sold by Seedsmen Everywhere. Send for Free booklet on Bugs and Blights to B. HAMMOND, Fishkill-on-Hudson, N. Y.









location of the Syrian apiary prevented the bees from securing half of the usual range, hence their greater prosperi due to the nature and quantity pasturage of their limited range. "It is evident, therefore, that no on

similarly located need be deterred from keeping bees, provided the nectar-yielding trees and plants of the half range are of the right sort and abundant. More over, regions so rough and sterile or swampy as to give no encouragement the agriculturist, or even to the stock raiser, will often yield a good income to the bee keeper, insignificant and apparently worthless herbs and shrubs furnishing forage for the bees. The ability of the bees to range over areas inaccessible to other farm stock and to draw their sustenance from dense forests when the sustenance from dense forests when the timber is of the right kind, and the freedom which, because of their nature, must be accorded them to pasture on whitever natural sources are within their range of three or four miles, must be taken into account in estimating the possibilities of a locality. It will be found that very few localities exist in our country where at least a few colonies of bees may not be kept. Whether a large number might be profitably kept in a given locality can only be decided by a careful examination as to the honey-producing flora within range of the aplary."

GENUINE "BROWN" DOUBLE SHOVEL PLOW Made with WOOD CENTER BEAMS and STEEL SHANKS.

No. 2.

Equipped with our improved slotted shovel attachment, a device which greatly adds to the attachment, a device which greatly adds to the contain and insist upon getting it. If your dealer does not haveit, write to us direct. Our free catalogue contains full description of our single and double shovel Plows, Ridding, Walking and Tongueless Cultivators, "GoPhi'N'S Surface Cultivators, Harrows, Wagons, etc. BROWN MFG. CO., Dept. F ZARSYILLE, OHO.

Plan to have a better garden this yea than last. Don't conclude your work in its done when you have planted the seeds Don't turn it over to the good wife to cu tivate. It is a part of man's work.

See that your seed corn is strong and vigorous. The young plant in the beginning of its growth depends upon the life-giving foods in the grain until its tiny roots can gather nourishment from the soil's fertility.

DOTASH gives color, flavor and firmness to all fruits. No good fruit can be raised without Potash.

Fertilizers containing at least 8 to 10% of Potash will give best results on all fruits. Write for our pamphlets, which ought to be in every farmer's library. They are sent free.

> GERMAN KALI WORKS. 93 Nassau St., New York.

Harrest ARTICHOKES THEMSELVES or all Stock. Before buying send yours sbor's "address" for FREE ESSAY culture, yield (often 1,000 bu. p. a.) and frt. rates to all points. Single bu. His Sood Farms, Bay 35, Befvills. III.

SUPPLIES, Everything Lowest elsewhere till you get our Large Catalog FREE. Save time and freight by placing orders with us.

LEAHY MFG. CO., Lovingston Bidg., East St. Louis, Ill.

MONEY IN BEES.

SOY BEANS, CHOICE VARIETIES A. M. TELLER Marble Hill, Mo

PURE | Seed Corn and | Direct From Grower a
BRED | Potatoes | Wholesale Prices.
Catalog Free. J. G. LEMBKE, Griswold, Iows

FIRE DRIED SEED CORN.

JAMES RILEY & SON, Thorntown, Ind SEED Corn. (circl'r to G. MUNZ, Fairbury

VICK'S Vigorous Seeds make planting profit able. JAS. VICK'S SONS, Rochester, N. REDUCED PRICES ON PEACH TREES:

% ct.; all I year, from bud. Sample by express s kept dormant till May 15th. Send for circular R. S. JOHNSTON, Box 19, Stockley, Del 600 ACRES-13 GREENHOUSES.

TREES AND PLANTS We offer a large and fine stock of every description of

Fruit and Ornamental Trees, Shrubs, Roses, Vines, Small Fruits, Hedge Plants, Greenhouse and Bedding Plants.

IICED CATALOO MAILED FREE. ESTABLISHED 1862. PHOENIX NURSERY COMPANY, 150 N. Park St., Bloomington, Ill.

Artichokes.

Seed Co. (Stat., B.) Clarinda, Ia.

ATEST, cheapest and best Sprayer ever made. HILLIS BROS., McFall, Mo.

FENCE! MADE. Buil

YOUR WIRE FENCE ed together. WE SAVE you ONE-THIRD Cost. FON UN E- less money, pur up quieble and with issuitable than any other. We sell with criminal control of the c

PLANTING TIME is coming! Send at ence for free wholesale catalog of all kinds of seeds high grade at lower prices than any other sedman. Fat packets at from 2 to 3 cents each. Seed Gorn that can't be beat. Data. CLARINDA IOW



SEE AND WONDER.
AUTOMATIC
CREAM SEPARATOR.

SAPK best by test-74 YEARS. WE PAY CASH WANT MORE SALESMEN PAY CASH WEST WANT MORE SALESMEN BO; Bantille, B.E.

THE CENSUS OF LIVE STOCK.

A distinctive feature of the coming cen-sus of live stock is that provided for on a special schedule by which all domestic

animals not on farms and ranges will be

The preliminary investigation necessary formulate an adequate plan for taking

the live stock of the country disclosed that no census of domestic animals could be satisfactory that did not include the many thousands to be found everywhere

off the farms. It likewise disclosed that

there was no provision in the census law for compensating enumerators for carry-ing and filling in live stock schedules in

However, the main schedule was pre

ared and printed with some new features classification which will show the number on farms in the United States on

June 1, 1900, thus: Calves, lambs, colts, and mule-colts under one year old; steers, one, two, three and over; helfers, one and

under two; "cows kept for milk," two and

over; "cows and heifers not kept for milk," two and over; bulls, one and over; horses and mules, one, two and over;

ewes, one and over; rams and wethers,

afford a basis from which to calculate

approximately the number of live stock

tivity of cattle and sheep for any future

ne and over; swine, goats, asses and buros, all ages.
This age classification was de

cities and villages.

April 12.—W. R. Slaughter, Salisbury, Ms. Herefords.
April 17-12.—F. A. Nave, Attica, Ind. Herefords. Sale at Chicago.
April 18.—C. C. Bigler & Son, Hartwick. Iows. Shorthorns.
April 19.—Tom C. Ponting & Sons, Mowequa, Ill. Herefords.
April 25.—Armour, Funkhouser, Sparks and Logan, Kansas City, Mo. Herefords.

fords. 10-11-12.—W. R. Brasfield & Co., Kan-sas City, Mo. High class trotters, road-sters, saddlers, pairs and general pur-

sters, sadders, barneron, Lochiel, Ariz.

May 15.—Colin Cameron, Lochiel, Ariz.

Hereford cattle, at Kansas City Stock

Yards, Horse and Mule Market.

Nov. 22 and 2.—Logan Chappell, Mt.

Leonard, Mo. Walter Waddell and Thos.

Sawyer, Lexington, Mo. C. B. Swith

and N. W. Leonard, Fayette, Mo.

fords. Sale at Kansas City, Mo.

We are pained to learn that on Saturda last Mr. D. A. Watts, the field editor of the RURAL WORLD, was kicked by horse in the abdomen which will confi him to the house for some time.

VACCINATING FOR BLACKLEG.

A Strong Denunciation of the Practice

Editor RURAL WORLD: The appe of Mr. John G. Thomas in the RURAL WORLD of March 14 regarding the free distribution of "Blackleg Vaccine" is my apology for taking the liberty to address you on the subject. For several years past I have collected all the information possible from both European and mation possible from both and year.

American sources relating to anthrax vaccine and have yet to find it recommended by the highest authorities who have investigated the claims made for it. In an address delivered before the Medi-In an address delivered before the acco-Chirurgical Society of Nottingham, England, Nov. 16, 1892, Charles Bell Tay-lor, Fellow of the Royal College of Sur-geons, says: "It is true that Pasteur dis-covered his so-called preventive treatment of anthrax by experiments on ani-mals, but it is not true that his inoculations have been of any service, or any-thing when faithfully carried out but a source of danger and disaster whenever they have been adopted. Indeed so clear-ly has this been demonstrated that his system has been emphatically condemned by the German and English Commission.

The supported to enquire into it, and actually prohibited by the Hungarian commissioner." He then gives the reasons which sold in Havana at \$23.50 and a greage. sible to get rid of the spores of anthrax either by heat or chemicals, when once started; that when the spores or bacilli country, and he raises a of this microbe are injected into a healthy animal they literally become alive with them and scatter the seeds wherever they go; that one attack of the disease does not confer immunity against another attack; that it is not claim. protects more than a few months; that ten per cent of the animals die after in-oculation, and those who do recover have their health permanently deranged; that the milk, flesh, cheese and butter of the animal are contaminated and unfit for food, and the operation has proved fatal

Prof. Paul Bonillier says that "inoculation for anthrax has had but one result, that of causing the death of ten times more animals in France than are lost then selects three striking examples from a number of hundred to prove his assertion. Prof. Peter of Paris says, in the "Crow plant and business of New York City, there will be a greatly increased demand at the National yards for high gan at the National yards

he "sent to Pasteur direct ask-ing for four tubes of the prophylactic virus, guaranteed to preserve from an-thrax infection without risk or danger and these tubes were prepared by Pasteur himself, who had stated that his charbon vaccine knew no difference of species, breed or country, but conferred its salutary powers on all alike." The experiments with both lots of vaccine showed that no immunity whatever was 34 in all-died of typica nthrax after vaccination according to pays well to improve the herds. Good calves last

lirections Three or four years ago Dr. Koch was sent for by the South African Govern-ment to study and stamp out anthrax, which was destroying the cattle at a fearful rate. He inoculated many thousands of cattle, but it did not stop the plague and he then advised the destruction of all infected and suspected animals. This was carried out and the plague stopped.

Those who advertise Pasteur's Black Leg Vaccine say, "No instrument needed, easily applied—no experience necessary," though the British Board of Agriculture, of hay and plenty of hay in a leastet on anthrax says: "Inoculation on the system recommended by Mr.

Pasteur could not be adopted except by
an expert accustomed to operate, but the
results of the operation in this country nature as would warrant the Board in recommending it to stock owners as a supplied without a large increase in current receipts.

The Zoophilist "Looder days for the company of the compa ("The Zoophilist," London, April

of even a veterinary surgeon who pronounces your sheep suffering from an arkets will sell best at St. Louis.

State of Ohio, City of Toledo, Lucas County—ss.

State of Ohio, City of Toledo, Lucas County—se.

State of Ohio, City of To

ffecting some of his sheep was anthran and he was directed to burn the dead ani-mals and everything connected with them, remove the rest from the pasture, tc., etc., but above all have every on accinated with Pasteur's certain preven ive. Before the owner could get the vac-ine the sheep were well, and no signs of disease in the rest of the flock. Had been vaccinated their death would dy, when it would really have been due o the inoculation which communicated arbon to otherwise healthy sheep.

Dr. Charles Bell Taylor says: "The sealth and vital powers of animals sub-ected to real inoculation are so depressed hat they die in very large proportion om various other diseases from which non-inoculated animals are free," and uotes the following from Surgeon Gen-ral Gordon: "We cannot overlook the ect that after protective inoculation the eaths in which post mortem examina ons indicate other diseases, such a eumonia, pericarditis, catarrh, disto na strangulus, and other maladies, oc-curring exclusively among the inoculated animals, and from a practical point of view it is pretty much the same whether the loss be caused by anthrax or other disease. Profs. Koch and Klein, and the Hungarian Commission have already unthe loss be caused by anthrax or other disease. Profs. Koch and Klein, and the Hungarian Commission have already unequivocally condemned the system and Prof. Peter, the well known successor of Trosseau, declares it is high time to raise a cry of alarm and take steps to stop a condition. Mr. Ponting writes that there seems to be an excellent understanding. practice which is indefensible in theory and disastrous in results.

S. T. THOMAS.

cattle. Two of the cows in the sale have already dropped calves, and two others will have calves at foot by the day of sale. The helfers in calf were bred to the two grand buils that head the Homestead an average of over \$75. Five cows brought each \$1,000, or more, one—Lucia Estill—bringing \$2,500, the highest price of the sale. Black Knight of Estill brought \$2,500. No animal brought the sale and which will sead \$90 people. Young breeders who want to start right \$2,500. No animal brought the sale at the sale and pens; in livery and boarding stables, private and other sale and possessors of live stock shall make full and accurate returns, the census of that property for 1990 will not only be at terminal and initial points and the number in distillery, brewery and other feeding yards and pens; in livery and boarding stables, private and otherwise in transit on June 1, 1900; the number in stock yards at terminal and initial points and the number in distillery, brewery and other feeding yards and pens; in livery and boarding stables, private and otherwise in transit on June 1, 1900; the number in distillery, brewery and other feeding yards and pens; in livery and boarding stables, private and otherwise in transit on June 1, 1900; the number in distillery, brewery and other feeding yards and pens; in livery and boarding stables, private and otherwise in transit on June 1, 1900; the number in distillery, brewery and other feeding yards and pens; in livery and boarding stables, private and otherwise in transit on June 1, 1900; the number in stock yards at the property for 1990 will not only be full and accurate returns, the census of that property for 1990 will not only be full and accurate returns, the census of the two grand builts that head the Homestead on June 1, 1900; the number in stock yards at the property for 1990 will not only be full and accurate returns, the census of the property for 1990 will not only be full and accurate returns, the census of the property for 1990 will not only be full and accurate returns, the full and accur sale. Black Knight of Estill brought

32,150. No animal brought less than \$200.

To miss the Homestead sale.

Sale black Knight of Estill brought

42,150. No animal brought less than \$200.

To miss the Homestead sale.

J. E. Pierce, of Hawley, Texas, is numbered among the big cattle rais-ers of Texas who do not know how many cattle they own. During the past season he has shipped a great many South American trade there is no trade in that Texas coasters, and he declares they make the best cattle for Southern Texas in the world. They always get a hump on themselves, he says, and rustle to beat any other cattle.—National Stockman.



DALE 66841, Owned by F. A. Nave, Attica, Ind.

INCREASING DEMANDS

Cattle raisers who are patrons of the St. Louis National Stock Yards will be inannually in the natural manner." He then selects three striking examples from a number of hundred to prove his assertion. Prof. Parter of Parter o The "Zoophilist," London, Sept. 1, 1895, says, 190 cattle were inoculated in Rhodesia, South Africa, for rhinder pest—it took beautifully at first, but a month or two afterward 90 out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the National Yards out of the 190 died. Very much the same at the New York State Fair in 1897.

Grand Sweepstakes, Hereford bull, at New York State Fair in 1897.

Grand Sweepstakes, bull under 2 years old, any breed, at Ohio State Fair in 1897.

First in 1888.

Ohio State Fair, Michigan State Fair and Hangs, (alsexification to be the same as on the main schedule. It is interesting to note that these raths of the method at time when there is a very sharp in crease in the value of all save sharp and indican State Fair in 1897.

First in 1888.

Ohio State Fair, Michigan State Fair and Ome that these raths out the same as on the mid in the same as on the main schedule. It is interesting to note that these raths out the steady; bulk of bulls, \$3.5 to \$4.59. Bulls, stags and oxen about in the steady; bulk of bulls, \$5.5 to \$4.55; oxen, \$2.5 to \$4.55; oxen, \$2.5

Out on the Nebraska

sand hills the calf crop

promises to be the largest

for years past. The com-

ing calves are good halfbloods and better. Very

scrub bulls, and it has

autumn from full-blood

bulls sold around \$20 per

calves from common bulls

about \$3 a ton.

At the dispersion sale of Hereford cattle next week, April 17 and 18, at Dexter Park, Chicago, Mr. F. A. Nave, of Attica, Ind., will place before the public a grand

TOM C. PONTING.

ing & Son, proprietors Homestead Herd of Herefords, Moweaqua, III.

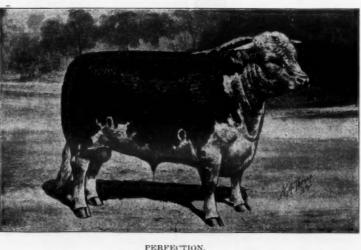
seems to be an excellent understanding

between their Yankee herdsman and the

ember of the firm Tom C. Pont-

TWO GREAT BULLS. cities; in lumber, contractors' and mining two or three weeks ago. Bulk of 1,000-lb.

scribed was estimated at several millions, and their valuation was believed to be higher, animal for animal, than that for



great addition to the demands at St

Stock raisers who are conversant with the trade will understand the great sig-Do not be in haste to take the word nificance of this announcement. It means of even a veterinary surgeon who pro-nounces your sheep suffering from an-markets will sell best at St. Louis. It

old. They are royally bred and individually all right in every respect. Bargains might be secured by visiting the herd or writing at once. This firm is one of the D. 1886.

(Seal.)

A. W. GLEASON, Notary Public. Hall's Catarrh Cure is taken internally and acts directly on the blood and mucous surfaces of the system. Send for testimonials, free.

F. J. CHENEY & CO., Toledo, O. Sold by Druggists, 76c.

Hall's Family Plils are the best.

Hall's Family Plils are the best.

Head of champion herd, over all breeds, Other cattle Champion Hereford bull, over 2 years Horses old, Illinois State Fair 1898. First in class, head of first prize Here-

ford herd and champion New York State Fair 1899. First in class, head of first prize Here-

Miles 15,896,115
Monday Cow and heifer butcher cattle
tully 10c higher than last week, this class very scarce. Stockers and feeders scarce, good demand at strong prices. Milk cows with calves strong.

Sheep 14,883,665
Mileh cows 16,292,390
Other cattle 27,610,664
Mules 2,068,097
Total 51,551,524
Total 101,498,690
INCREASE IN TWO YEARS.
Sheep 4,228,106
Milch cows 45,147
Total 45,775,757
DECREASE IN TWO YEARS.
Other cattle 1,551,145
Mules 1,567,545
Total 2,249,165
Mules 2,249,165
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Mules 2,249,165
Mules 2,249,165
Mules 2,249,165
Mules 3,257
Total 2,249,165
Mules 3,575,757
Total 2,249,165
Mules 3,575,757
Total 2,249,165
Mules 3,575,757

Per Representative Hereford Cattle.

TZ111/U.	T CLESSE.	AAS
Sheep\$	96,721,133	\$ 2
Milch cows	434,813,826	\$ 2
Other cattle	612,296,634	20
Mules	99,032,962	42
Horses	478,362,407	34
Horses	410,000,401	0
Total \$1	.721.226.062	
1899.		
	Total	P
Kind.	Value.	He
Sheep\$	107,697,530	8 5
Milch cows	474,233,925	20
Other cattle	637,931,135	25
Mules	95,963,261	44
Tames	511.074.813	37
Horses	211'014'019	0
Total \$1	826 900 664	
1900.		
1000	Total	P
Kind.	Value.	He
Sheep\$		8 2
sneep	214 019 100	31
Milch cows	314,812,106	24
Other cattle	689,486,260	
Mules	111,717,092	53
Horses	603,969,442	44
-		
Total \$2 INCREASE O	,042,650,815	
INCREASE O		
	Total	P
Kind.	Value.	He
Kind.	25,944,780	\$ 0
Milch cows	79,998,280	4
Other cattle	77,189,626	4
Mules	12,685,030	5
Horses	125,607,035	10
inione		**

LOGAN.

.... \$321,424,751 Add to the above figures for swine, oats, asses and burros on the farms and ranges, and for the several million head of animals not on farms and ranges, and the great importance of an adequate census of live stock becomes apparent.

ason, prior to the Thirteenth Census, It means approximately three billions of which census will furnish a new founda-tion for such calculations. But such a basis would be very imper Director Merriam to say: "If all owners fect if it failed to include the cattle, and possessors of live stock shall make

Market Report Furnished by Evans-Sni der-Buel (Company,

Friday, April 6th.-CATTLE-Receipts light during week, showing decrease of about 2,500 head. Quality of beef cattle common to good, few choice on sale. Quality of heavy weight beef steers in native division better than last week. Best full load of steers sold at \$5.75, averaged 1,660 lbs., very fat, plain in quality. Eighteen head yearling. Hereford steers, the most fashionable families celpts show decrease of 4,000 head, and the four principal markets decrease nead, compared with last week, and 2,300 head compared with year ago. Good strong demand for all grades beef cattle at 15 to 20c per cwt. advance over last week. Run of fed Texas shows considerable decrease at all markets.

Sales during week included beef steers, 1,300 to 1,700 lbs., \$4.90 to \$5.75, bulk, \$5.15

o \$5.35: 1.200 to 1.290 lbs., \$4.75 to \$5.40, ulk, \$4.90 to \$5.25; 1,000 to 1,190 lbs., \$4 to \$5.50, bulk \$4.60 to \$5. Butcher steers, 650 to 990 lbs., \$3.75 to \$5, bulk, \$4.10 to \$4.65. Stockers and feeders, \$4.40 to \$5; ranging in weight 400 to 1,200 lbs., quality about same as last week. More unfinished cat-tle being used by dressed beef men than cities; in lumber, contractor, express, deliv-camps; in street railway, express, deliv-ery, omnibus, sawmill and factory sta-ers and feeders strong, not near enough on sale to meet it. Cows, helfers and

Receipts from Mississippi, Alabama and Louisiana light. Canning grades full steady; best canners, \$2.50 to \$2.75; butchr cows, \$3 to \$3.50; fair to good canners, \$2.25 to \$2.50; common canners, \$2; hest canning oxen, \$3 to \$3.59; fair to good, \$2.50 to \$3; common, \$2.25 to \$2.50. Best bulls, \$2 to \$2.25; fair to good, \$2.75 to \$3; ommon. \$2.50 to \$2.75.

HOGS-Wednesday, arrivals moderate, all strictly good weight 10c higher; bulk, \$5.40 to \$5.50; one fancy load, \$5.65. Thursday, with fair run, good hogs sold strong, bulk shade higher; Friday, unfavorable advices from other points, market opened 5 to 7½c lower, and closed easy. Range of Butchers and packers, \$5.45 to \$5.60; Yorkers and shippers, \$5.40 to \$5.50; heavy pigs, \$5.20 to \$5.35; light pigs, \$4.40 to \$4.60; rough heavies, \$4.50 to \$5.25. SHEEP-Receipts moderate except Fri-

day, when there was quite a liberal run of clipped. Clipped Texas, weighing 79 to \$4 lbs. sold at \$5.40 to \$5.56 per cwt. Four loads of clipped natives, rather ewey, brought \$5.25. Natives strong at following top prices: Spring lambs 8 to 9c per pound; lambs, \$7 to \$7.25 per cwt.; sheep, \$6 to \$6.30 per cwt.; bucks, \$4.75 to \$5 per

LATE SUMMARY.

PUBLIC SALE.-114 HEAD.

ARMOUR= We shall put into this sale the strong-FUNKHOUSER: est lot of cattle of SPARKS-

both sexes that we have ever offered at public or private sale.

Write for Catalogue.

Kansas City Stock Yards, Wednesday, April 25th, Thursday, April 26th.

KIRK B. ARMOUR, JAS. A. FUNKHOUSER, JOHN SPARKS, Kansas City, Mo. Plattsburg, Mo. Reno, Nev. Kansas City, Mo.

PUBLIC SALE OF Recorded Galloway Cattle!

GOODRICH, LINN CO., KAS., ON THURSDAY, APRIL 19, 1900.

On the above date I will sell a draft of 31 head of recorded Galloway cattle, all of my own breeding and all desirable ages. No aged animais will be catalogued. The offering consists of 18 Bulls and 13 Females. The bulls are an especially desirable lot. One 6 years old, one 4 years old, the others ranging in age from 1 to 3 years. The cattle are all in good breeding condition and have been handled.

The sale will be held at my farm adjoining Goodrich.
Goodrich is on the main line of the M. K. & T., 64 miles south of Kansas City, 22 miles from Paola, Kas., which is on the Mo. Pac., M. K. & T. and also K. C., Ft. Scott & Memphis R. R. Terms of sale, CASH.

Parties coming day before sale will be cared for at Goodrich.
Write for Catalogs, now ready, to

FRANK B. HEARNE, Independence, Mo.

or J. S. GOODRICH, Goodrich, Kansas. COL. JAMES W. SPARKS, Auctioneer.

Gentry Bros., Sedalia, Mo. CEDAR VALE STOCK FARM.

Grand Duke of Hazelhurst 125404, assisted by Waterloo Duke of Cedar Vale 133065, and Waterloo Duke of Cedar Vale 2d 133066 heads our herd of pure Bates and Bates topped, pure Scotch and Scotch topped cows of

30 YOUNG BULLS AND HEIFERS

For sale at reasonable prices. Particemet at train. Farm 2 miles out.

WILLIAM MAFFITT,
President. CHARLES PARSONS, Vice-President.

MISSOURI STOCK YARDS,

ST. LOUIS, MO.

FORMERLY UNION STOCK YARDS, St. Louis.

The Missouri Stock Yards are the only wholesale stock yards in St. Louis for the sale of at kinds lof Live (Stock. All of the Packing houses and dressed beef plants in St. Louis hav buyers stationed here. All railroads and all steembosts unload their stock directly into these yards. Your stock will bring highest market prices.

W. A. RAMSAY, Manager.

ST. LOUIS NATIONAL STOCK YARDS,

THE LIVE STOCK MARKET OF ST. LOUIS. ted at East St. Louis, directly opposite the city of St. Louis. Shippers should see that their stock is billed directly to the

National Stock Yards.

PEABODY SHORTHORNS and BERKSHIRES

CHOICE SHORTHORN BULLS FOR SALE!

13 Scotch and Scotch topped bulls of the low down, blocky type. One is a Cruickshank Orange Blossom, one a Ramsden. Also a few choice helfers not related to bulls. Address, PURDY BROS., FAIRVIEW STOCK FARM, HARRIS, MO.

MT. VERNON HEREFORD FARM.

R. S. MAIRS, REGER, MO., Prop. A great bargain for an early buyer, my Herd Bull, Sir Allswell No. 6873, a son of Corrector No. 48976... p sell him for no fault and will fully guarantee him in every respect. Also 2 coming yearling bulls for sale.

YOU CAN PREVENT BLACKLEG is tested on cattle and found reliable before a single dose is put on the market. It was prevent BLACKLEG if fresh product is used, the same as vaccination prevents Smallpox in the human family. Operation simple, and easy to perform. Specify P., D. & Co. s, and get the kind that is always reliable. For sale by all druggists. Write us for literature and full information, free on request.

PARKE, DAVIS & COMPANY, Detroit, Michigan. BRANCHES: New York City, Kansas City, Mo., Baltimore, Md., New Orleans, La., Walkerville, Ont., and Montreal, Que.



Monday. April 9.—CATTLE—Receipts light in native division, moderate in Tex-2.257,696,115 ruled strong, desirable grades 10c higher than close of last week.

Tuesday, receipts moderate in both divisions, values strong compared with visions, values with visions values valu

FOR SALE I A BARGAIN I Bred Short-Horn Bulls, from 8 to 24 months old.

C. S. PARKER, Aultville, Mo. Write to N. E. MOSHER & SON. SHER & SON.

ENGLISHED POLLED CATTLE fine stock. EF Your orders solicited. L. K. HASELTINE, Dorchester, Green Co., Mc. Short-Horn Bulls

25 choice ones for sale. Write for catalog an prices. W. H. FULKERSON & SONS.

Jorseyville, Illinois H. A. BARBER,

WINDSOR, MO. SHORTHORN BULLS FOR SALE!

I have a choice lot of young bulls of Scotch. Booth in Bates families, and invite intending purchasing and those interested in good cattle to call at our and those interested in good cattle to call at our and cour miles west Windsor. Windsor is on main line M. K. & T. R. B. . 30 miles south of Sedalia. 50 SHORTHORN BULLS and HEIFERS For Sale. They were aired by the famous Red Butterfy 10870s. Consumer 3584s. and the 8525 buil, Dake of Hor Louder 3584s. and the 8525 buil, Dake of Hor Louder 1888 and last pure Ordiokshanks the other two. Orgalokshank crosses. Five roam, others red.

H. W. KERR, Red Polled Cattle.

Aberdeen-Angus Bulls

Of the richest blood lines and most excellent quality, 12 to 18 months old at \$100 to \$175. Herd bull by Royal Eric dam by B ack Abbot. Write foreignular, N. G. DAUGHMER & SON

spread until al affected through horses season

The Amer vene Tuesd for til transa he pr tion. ciatio i, at i busino A K trottin trouble experiit, whise edy, a passin well-d man t with the transaction of the trans

prevail sections first in tion an judiciou which e "The race at is not

speedwa as the earning: racing : class print the lifurthers man," " for hig Hor

Horseman.



has purchased from D. W. Layton the stallion Normandy, the great Delmarch, 2:114. Normandy, full brother to

Frank Rockefeller, Cleveland, O., owns Extractor, a son of Expedition, 2:15%, that will be trained this year. As a three-year-old he trotted the Woodburn Farm track in 2:18%, which Mr. Brodhead says is the fastest mile ever trotted by any

At three years of age Axtell won the stallion crown by trotting in 2:12 to high wheel sulky. He is now 13, and in the last ampaign his produce made him the leadsire of his age. Within the last six onths five of his get have been sold for

Looking back over the records of the inter horse sales," says "The Horsewith the important fact that for every good horse there has been a buyer and that when anything especially meritori-tons has been offered there has been

Vols. I., II. and III. of the American Saddle Horse Register may be had by addressing I. B. Nall, Secretary, Louisville, Ky., and enclosing the price, \$2 per volme. The express charges or postage will be prepaid. Entry blanks, with latest ules for entry, free on application to the

ors and numbers. Ten cents is not too combin much for a program of this class. An association had better give the privilege to good man, and please the public, rather

is the single size of two trotters below 2:10, of sixten performers in 2:20, of fifty in 2:20, of thirt in that took standard marks as of the country. The remedy lies are considerable distance. At the atmosphere being the most of the pear pink eye and distance at most of the ocurry. The remedy lies are too of the year pink eye and distance at most of the ocurry. The remedy lies and whitewashing and then by the laddicious use of proper remedies with which every stable should be supplied.

The active demand for horses fit to race at much higher prices than last, but may not with the last part of search of the country. The active demand for horses fit to race at much higher prices than last, but may one with the performers in 2:20, of fifty in

not owing to the extra demand for eedway and matinee horses, so much the prospect for largely increased earnings. There will be more harness racing this year, with bigger stake and class with the state of the history of the trotting turf, and, rthermore," says "The American Sportsan," "there is a more active demand now or high-class trotters for export than

Horse Owners! Use GOMBAULT'S Caustic **Balsam** A Safe Speedy and Positive Curort. Roost BLISTER ever used. Takes
all liments for mild or severe action.
Burches or Blemishes from Horses
SUPERSEDES ALL CAUTERY
ACCOUNTS to SUPERSEDES
A

To recur to the subject we were disussing: There is really no reason why the sacer should now be tabooed in Europe, while a generation or two ago there was a pretty good reason why he should ays the "Kentucky Stock Farm." Now he is as fine a horse as the trotter. He has as much finish and he is as great as a race horse, and he has as good a gait. Some pacers have gaits that are absolutely perfect. There is really no reason, except the old prejudice against the sidewheelers, why pacers should not take very high rank, and as soon as a European market is opened for them much of the discrimination in price between them and trotters will discrease. and trotters will disappear, not by reason of any diminution in the prices of trot-ters, but by reason of an enhancement in the value of pacers.

Mr. John F. Keck, of Millstadt, Ill., has Ele Mr. John F. Reck, of anistaut, iii., has purchased from the Colman Stock Farm, St. Louis, Mo., the bay trotting stallon Prince Rene 19807, sired by King Rene 1278, first dam by Abdallah, Jr., 5720, second dam by Mambrino Temple 586, son of the Colman St. Louis Rene 1980, and the ond dam by Mambrino Temple 288, son of Pilot Temple, 2:24, third dam by Pilot, Jr. King Rene, the sire of Prince Rene, was a well-known trotting stallion owned by the late Col. H. C. McDowell, of Lexingth late Col. H. C. McDowell, of Lexing-the l a well-known trotting stallion owned by the late Col. H. C. McDowell, of Lexington, Ky. He was exhibited at the St. Louis Fair on several occasions in contests with the best trotting stallions in America, and was always honored with the first prize. In eighteen contests with the best stallions in Kentucky and elsewhere, he was never beaten. Prince Rene was an almost exact picture of his great sire.

when the oxygen was not so bracing and get something right. Maud, his dam, is mile heats.

At "Knell's Park," the 1900 crop is complete the first prize. In eighteen contests with the best stallions in Kentucky and elsewhere, he was never beaten. Prince Rene was an almost exact picture of his great the southwest turn, and the turns well at the southwest turn, and the turns well filled. With one good rain and a little stall of the prince Rene was an almost exact picture of his great filled. With one good rain and a little stall of the prince Rene was not so bracing and get something right. Maud, his dam, is mile heats.

At "Knell's Park," the 1900 crop is complete the prince of the same and the sum of McW., that was sired by Anteros; Maud McGregor, dam of Nutgregor, 2:17%, and Miss Delmoret, 2:18%, has a chestnut filly by Anteros, and Fanny Garrett, dam of Weber Wilkes, 2:13%, and his brother, 2:17%, and Alvin R., 2:14%, has a horse colt by Ben McGregor.

tucky this year," says an exchange. Why strange? asks the "Western Horseman," to leave the management of Thomas Patters 11 years old and grew better under the handling of Andrews as the season of 1820 advanced. As Gentry in his last race in california in 1839 paced a last quarter of the last half in 28½ seconds it gives rise to belief that Andrews may land him the approaching season across the two promise is more reasonable or logical than that Kentucky breeders should want that Kentucky breeders should want the management of Thomas Patters, late of Wellsville, Mo. for Flank Haven. The sister to Oolong, by Ben McGregor is probably the most promise the youngest sons of Electioneer are only nine years old. Besides this, Kentucky is full of George Wilkes blood, and nothing and started at Columbia and Moberly Thomas Kyle has a sorrel mare by

often. Brush thoroughly. The comb will losen the dead skin and the dried sweat, and the brush will draw both out and stimulate the deposition of the oil that sad a first-class theater. How frequently it is sadly neglected or bungled up by some amateur. It is a pleasure to horsem to purchase a neatly printed program containing a correct list of the starters, complete breeding of the horses entered in each race, names of drivers, their colling and the brush will be good and brushed. No

types from the best families of American trotters and cross them judiciously. The mistake most breeders make is when a covetous rich man comes along they sell him their best mares and keep their poorest to breed from. The result is that short-sighted breeders have a lot of culls on hand that they persist in breeding from, thereby accumulating more of the same kind that there is no market for. Then they damn the horse business in-stead of blaming themselves for being Then they stead of blaming themselves for being such short-sighted fools as to forget that time-tried maxim, breed to the best and from the best.

Navy, is one of our most advanced trot-ting horse breeders. In his catalog just issued he says that "Electioneer and George Wilkes are to-day the most potent ancestral factors in the production of har-ness speed. Their combined families car-ried no further than the second genera-tion now number over 3,150 standard per-

ever before known. In England and Scotland several orders have been given United States buyers for pacers of extreme speed, and it will not be long before the starred and gartered gentry of France and Germany and Austria will be taking their outdoor constitutionals behind the once condemned sidewheelers."

formers, of which Electioneer has 958. Hambletonian and Nutwood are the only other two sires that approach this in numerical strength, with a total of nearly 2,700. But Hambletonian's total for his sons and daughters is practically completed, while there are sons and daughters of George Wilkes not older than 17, and some of Electioneer's are as young as some of Electioneer's are as young as nine years. The book will not be closed on the get of Electioneer's sons and daughters for 20 years, nor on Wilkes was a pretty good reason why he should thave been highly popular in America, ays the "Kentucky Stock Farm."

Now he is as fine a horse as the trotter. last season's 2:10 speed. That is a litest-a crucial test of present fitness 2:10 pacers of 1899 are a brilliant band and we find that 42 are of Wilkes and Electioneer descent as against 38 without eith-

L. E. CLEMENT'S GOSSIP

Editor RURAL WORLD: Mambrine Jr., must have been intoxicated with his ride against the cold winds from lowa-

"Strange as it may seem, there will work the track will not only be fast but in probably be more sons of Electioneer than of George Wilkes and Electioneer than tucky this year," says an exchange. Why strange? asks the "Western Horseman," under the management of Thomas Pattern of Western Horseman, the management of Thomas Pattern of Western Horseman, and the management of Thomas Pattern of Western Horseman, and the management of Thomas Pattern of Western Horseman, and the management of Thomas Pattern of Western Horseman, and the management of Thomas Pattern of Western Horseman, and the management of Thomas Pattern of Western Horseman, and the management of Thomas Pattern of Western of Wes

the last half in a psecondary secondary secondary is full of George Wilkes blood, and noth the approaching season across the two interiors.

The sixth blennial congress of the Auditorium Hotel, Chicago, The sixth blennial congress of the Auditorium Hotel, Chicago, The sixth blennial congress of the Auditorium Hotel, Chicago, The sixth blennial congress and that Kentucky breeders should be a factor in the purpose of electing officers and transacting such other business as may be propelly presented for its consideration. The Board of Appeals of the association will meet at the same place, May 1, 1200, at 12 o'clock no and will be wanting site of the same place, May 1, 1200, at 12 o'clock no and will be wanting time errits of Wilkes blood. Thoughtful breeders will not fool away their time debating the relative merits of Wilkes blood and Electioner blood, but they will proceed to doubt be up the two, thus getting the strength so both instead of sticking to distingtion that in the same place, May 1, 1200, at 12 o'clock no and the same place, May 1, 1200, at 12 o'clock no and that Kentucky brease and transacting such other business as may be propelly presented for its consideration. The Board of Appeals of the association will meet at the same place, May 1, 1200, at 12 o'clock not of a way it is a promising trotter and will be near the debating the relative merits of Wilkes blood. Thoughtful breeders will proceed to doubt with the George Wilkes blood. Thoughtful breeders will proceed to doubt with the George Wilkes blood. Thoughtful breeders will proceed to doubt with the George Wilkes blood. Thoughtful breeders will proceed to doubt with the same mark that the relative merits of Wilkes blood. Thoughtful breeders will proceed to doubt with the same mark that the time debating the foreign propers of the same mark that the string will be out the work of the will be properly before it.

A Kentucky horsenan has a well breeder the value of long, brisk, thorough and regular combins and brushing of horses so well as the pro

In every town and village may be had, the Mica **Axle** Grease that makes your horses glad.

Demands Sound Horses Only grees sell at less than half their neither desirable for use or sale is easy. A few bottles of



Klineagrove, Penn., Aug. 18, 1898.
After using your Spavin Cure for Cuts, Galla,
I found one of my horses had a Splint,
I found one of my horses had a Splint,
I true a Cuts which oursed it. Since that time

work away from home and a bandaged front leg was enough for a killing. The front leg was enough for a killing. The third match was made and Homer Spencer added to his bank account something over \$1,700. It will be some time before

Tommy Hall has bought a 3-year-old filley by Red Boyd, son of Dominion, out of the dam of Frank Cooley, 2:244, and Bessie T., 2:104. This filly is fast but has been made track sick and won't go on to a track without a fight. It requires as much judgment to handle a colt as it does to handle a bank account and the damage may be as great and as last-

MAMBRINO, JR.'S, GOSSIP.

each race, names of drivers, their colis and numbers. Ten cents is not too
uch for a program of this class. An as
away.

too thoroughly combed and brushed. No
year-old pacing record he ought to.
Two green ones by Victor Ene, dam by
Herschel, second dam Cora, by Blue Bu'l. Axtell is truly the twice crowned king, food man, and please the public, rather age of three years he won the ground up.' the super-like a good house, is tallion crown of trotting in 2:12 to the ground up.' the super-like angles of the ground up.' the ground u "A good horse, like a good house, is built 'from the ground up,' the super-structure of the future horse being formed in the weaning colt; and while a lousy calf' sometimes comes out all right in the spring,' one that has escaped the 'vermin' is just so much the better off. As the character of the future world from ocean to also does complete development in the future man is generally formed in the boy, so also does complete development in the future mature horse deaned on the stallion crown of trotting in 2:12 to the stallion crown of trotting in 2:12 to the high-wheeled sulky. That performance, before which the once considered married was heat. When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first heat When he came back he said "Erank gave Spears in plant after he drove Belle J. the first h says let go of her and try her, but "what before his career at the stud can be combified with the future mature horse depend on the thriftiness of the weaning colt. Therefore, that a good horse may result, the colt should not only be given a good start in life, but should be kept in bealthful and thrifty condition through-bealthful and thrifty condition through.

> bined with size, quality, soundness and finish, to bring big money. Those essentials the American-bred trotter has in a greater degree than the imported article. Now to produce the ideal horse that I am Now to produce the ideal horse that I a before. It admirably expresses my views and I am bold enough to hazard the opinion that it meets the emphatic appro-

THE HORSE MARKET! Whirlwind Mc. 2:17 1-4. FOR SALE

By GLENCOE WILKES, son of Alcantara and Betsey and I (dam of Moquette 2:10, etc.); dam KATIE MORGAN (dam of Alcoe 2:16%, and Whirlwind Mc. 2:17½), by Robert Allen; second dam Jenny, by Royal Oak; third dam Kate, by Sherman Morgan.

He will make the Season of 1900 at BILLUPS STOCK FARM, - - MILTON, IOWA.

At \$25 with Return Privilege.

Walnut Boy 2:112, 8088,

Sire of Walnut Boy 2:12½, Gyp Walnut 2:16½, Dan T. 2:16½, Robbie C. 2:14½, Joseph R. (3) 2:22. Sired by Ferguson 8015, son of George Wilkes; dam May Hudson, dam of Billy Andrews 2:06½. Walnut Boy 2:11½, Victorene, sister to Walnut Boy 2:20. A game race horse and tried sire.

JOHN G. CALLISON, Prairie View Stock Farm, Windsor, Mo.

₩ELK HILL 28234

SEASON OF 1900.

Sired by Lord Russell (brother to Maud S. 2:08%), dam by Nutwood 2:18%. Maud S. was the greatest trotter yet bred, as Nutwood is the greatest sire of speed living or dead. Terms \$25 cash or approved note.

JOHN R. HEPLER, Vermont, Cooper Co., Mo.

MADLEY 7575, Sired by Princeps. by the records the most successful son of Woodford Mambrian 32:15; dam Hilda by George Wilkes, sire of 83 standard performers, and 568 descendents with records of 2:15 or better; 23 dam by Sentinel 2:295, brother to Volunteer, uniting the blood of Woodford Mambrino with the blood of three of the best sons of Hambletonian 10 DAGOSTA 15[23]. Sired by Almont Wilkes 231, son of Almont dom Napintha by C. M. Clay 22; Vermont Black Hawk 5. Stock of all kinds for sale. For terms and prices, address.

J. W. DUNN, Manager J. F. ROBINSON'S MEADOW FARM, Windsor, Mo.

The 2 Great Fairs of Central Mo.

8 One Thousand Dollar Stakes; 8 Three Hundred Dollar Purses; AND MANY OTHER RACES

MOBERLY, MO., JULY 24th—28th. COLUMBIA, MO., JULY 31st—AUGUST 3d.

Less than two hours run between points, Wabash Railroad. (Three hours run M. K. & T. R. R. into Southwest Missouri Blue Ribbou Circuit.)

Only 2 per cent or \$20 to compete in \$1,000.00 race, no more.
\$1,000.00 Stakes at each point for 2:45 and 2:25 Trot, 2:35 and 2:22 Pace.
\$300.00 Purses for 2:35 and 2:20 Trot, 2:40 and 2:14 Pace.

Entries in Stakes close April 15th and in purses July 20th.

Secretaries { J. R. LOWELL, Moberly, Mo. N. D. ROBNETT, Columbia, Mo.



Angels and ministers of grace defend us! Wouldn't it be interesting (?) reading? Well, yes! Something akin to the hilarious and hair-curling effusions on "Thorough blood in the trotter and the Hinglish 'ackney," ye know! I am "trooly" glad that Wilkes, Jr., gave me this opportun-ity to assure him of my distinguished onsideration, and I want to assure him right here that he is secure from attack ruthlessly trample upon his majestic as pirations in behalf of the trotting a ciations. Perish the thought! ·He ciations. Perish the thought! He has my high appreciation for the mildness nd gentleness of his presentation of the and gentleness of his presentation of the differences between us. He could, in perfect safety, have gone on and written me down a liar and horse thief, a la Horace Greeley, a little difference of opinion presented in such uncouth language would not disturb my serenity for a moment. Again thanking the gentleman for his tentatively expressed opinions and for the opportunity afforded for reply, I subscribe myself his always friend.

MAMBRINO, JR.

Peakesville, Mo., April 7, 1900.

FROM BOWLING GREEN, MO.

Editor RURAL WORLD: Since the clos ng out of the McCormick Live Stock Company's trotting stock of this place, there has been but little said about the breeding of horses. While the dispersion of the stock of this establishment was a serious blow to the horse interests of thi section of the state, yet the seed had been DR. B. J. KENDALL CO.: planted and is bearing fruit.

Mr. W. P. Hawkins, of this place, has

bation of nine hundred and ninety-nine men out of every thousand thinking men, and I won't do Wilkes, Jr., the injustice to imagine for a moment that he is the "thousandth" man. Talk is cheap and only fools "cheap men." It is what men "do" you "judge" them by. Hold up the mirror to nature. Take the "actz"—and along with them the "failure" to act—of the parent associations, and along with them many of the leading trotting tracks associated with them and if their sins of omission and commission don't "smell to Heaven," then, all I've got to say, is the "other fellow's" smelling apparatus is sadly "out of order." It is worse than useless to enumerate here the thousandth part of the indictments formulated in the turf press against these "highbindera." It's so dadgasted funny that some of their backers and defenders don't start some propositions favoring them and ten proceed to "argue" them to the disgust of every intelligent horseman on earth. public training stable. The following i

of 2:30, pacing. No. 7 is by a son of I Russell and has a mark of 2:30. This is owned by W. H. Marshall. We have New Madrid a half-mile track, built cording to rule, and it is an excel track to train on. The horse busines this section is in its infancy. The wr is the only person that ever owned a h that had a record of 2:30 or better in Madrid county; Mo. S. 1.

USED WITH SUCCESS. Chadbourn, N. C., Nov. 15, 1899.

Lawrence Williams Co., Cleveland. The Lawrence Williams Co., Cleveland, Ohlo: Please send me a bottle of GOM-

BAULT'S CAUSTIC BALSAM. Enclose is \$1.50. I used one bottle of it when lived in Wayne Co., Ohio, and saved aluable horse that had got strained using the sheath to swell up as large as a quart measure. I happened to see the account of a similar case in "The Ohio Farmer," in which they used your remedy with success, so I got a bottle and made one application according to directions, and as soon as it broke and un I used it to cleanse the sore by mixing it with oil, making it two-thirds oil and used a feather to put it in the sore, and it cured the horse so that no one could tell that anything was ever wrong with him. I have success, and wounds with like success.

J. S. SHAVER,

KENDALL'S SPAVIN CURE.

Metapedia, P. Q., Nov. 6, 1899.

Spavin Cure on a valuable mare with an Spavin Cure on a variable came on enlarged hock joint, which came on enlarged wire fence. getting cut in a barbed wire fence. I find it a perfect cure, and it is taking the enlargement all away. I cannot speak too highly of it. I notice you say, "Treatise on the Horse and his Diseases" are give to the patrons of Kendall's Spavin Cure, by sending a two-cent stamp. I inclose 5 cents for which please send me one of our books, and oblige. Very truly your
A. R. WHEELER.

FOR SALE!

PROF. NELSON 30991, and ESSA DODSON BY EROS 5872,

Two of the greatest prospects in Missouri, were started a number of times last year and never behind the money. No marks. Also six of the best brood marcs ever brought to this farm, all in fine shape. Marcs in foal. Catalogs ready in a few days, giving full particulars, Address. H. C. TAYLOR, Koping, Saline Co., Mc

SPAVINS Absolutely removed a p d permanently cured in 24 permanently pain with DR. MCKEE'S SPAVIN CURE. culars write at once to Dr. O. W. McKEE, Benson, Minn.



AT A BARGAIN!

The Grandly Bred Trotting Stallion,

Wilkeston 2:244

AT 4 YEARS OLD.

Bright bay, 16 hands, weighs 1,150, and has shown his ability to trot in 2:11, but met with an accident and was retired from the turf. He started in 16 races as a four-year-old, winning 9, was second 3 times, third twice and drawn once. He is full brother to Patchen Boy, 2:104.

Wilkeston 28022 was sired by Wilkes Boy, the sire of Gruttan, 2:13, and so many other horses of extreme speed. His dam was Lady Clay, by Metropolitan 1372, son of Hambletonian 10, and Metropolitan's dam was Hyacinth, by Volunteer, Lady Clay's dam was Byacinth, by Volunteer, Lady Clay's dam was by Ashland Clay, and out of Pit-a-Pat, by Ohio Bellfounder. Wilkes' Boy is one of the greatest sons of George Wilkee, and is out of that great brood mare Betty Brown, by Mambrino Patchen. Wilkeston is one of the handsomest stallions in the state, has high and grand action. Is a sure foal getter, and his colts are very uniform in size, style and action. This grand stallion will be sold low, or will be let for the season of sold few, or will be let for the season of sold few. For coach, road, track or general purpose stallion it would be difficult find his superior. Address.

Montgomery City, Mo.



1st, 2nd and 3rd dams in great brood mare list. A Nutwood in Conformation and Color. 16-1, weighs 1200 pounds. A racing Coach horse. Fee \$20.

LAFE ANDERSON,

Nevada, Mo. VALLEY GROVE STOCK FARM.

Breeders of Harness Horses and the Best of Scotch Shorthorn Cattle. of scotch Shorthorn Cattle.

SILVER SIMMONS 2:168; a prise winner and a race horse at head of stud, with Egolyte 29915 by the mighty Oward; is the good of stud, with Egolyte former and producer; 2d dam in the gram broad are list; as 2d stallion on the farm Throad order 3-year-old Wilkes stallion in the country for soile or use in the stud if not soil. Larender Porrit, ored by Col. W. A. Harris, Linwood, Eas., at head of cattle head. Young stock, both horses and cattle for sale. Write for extended pedigree and catalog and state what you want. e what you want. E. T. LETTON & SON, Walker, Mo-

AMERICAN TROTTING REGISTER PUBLICATIONS

THE YEAR BOOK.

This Great Work will be ready for delivery April 1st, 1900.

CONTAINS summaries of races; tables of 2:30 trotters; 2:25 pac ers; sires, with complete list of their get in standard time and their producing sons and daughters; great brood mares; champion trotters; fastest records, etc.

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Seldom See a big knee like this, but your horse may have a bunch or bruise on his Ankle, Hock, Stifle, Knee or Throat.

ABSORBINE will clean them off without laying the horse up. Circulars if you want them. \$2.00 per bottle, delivered. W. F. YOUNG, P. D. F.,

JACOB McCAULEY, owner of the Willow Brook Stock Farm, offers 8 good Missouri and Tennessee JACKS FOR SALE this spring, including his noted Star Jack. Address

JACOB McCAULEY, Brook, Buchanan County, M Willow Br

FISTULA, POLL EVIL and all Blemishes on horses cured with HAMER'S SURE CURE or money refunded. Removes Lumps of all kinds for 46 hage namples, \$1.00 per bottle by mail. Sold by Druggists everywhere. Cures Founder and Blatemper.
H. M. HAMER, VERMONT, ILL. ONE'S MISSION

ctimes wonder why our Lord doth

entrance—
There's only room to suffer, to endure.
Well, God loves patience; souls the
dwell in stillness.
Doing the little things or resting quite.
May just as perfectly fulful their mis
sion—

Sion—
Be just as pleasing in the Father's sight.
This to me is life—
That if life be a burden, I will join
To make it but the burden of a song.
—Bailey.

Written for the RURAL WORLD. NOTES FROM THE CEDARS.

I took Brother Heaton's advice about clock and it works like a

One sister wants to know what we have read during the winter just past. The time I had to spare for reading was taken up mostly with history, and the way I came to do so was in this wise: A friend up in Vermont inferred from my letter to her that I was in sympathy with the English, and wants my reason for this feeling. So thinks I to myself, "Moli, you don't know much about the Boer. You had better look up history a little," So between all the periodicals and papers we down the line? I will be read to the same moment. don't know much about the Boer. You had better look up history a little." So between all the periodicals and papers we get I am still not quite sure where my sympathies are, but think, as Mr. Heaton says, it is not quite just to our English cousins to show very strong sympathy for the Boer. One thing I am sure of is full sympathy for the poor mothers whose sons have fallen and are falling on acc.

Another sister wants to read about flowalis (Buttercups) for a window plant.
They have been almost constantly in bloom all winter, but they want just so much warmth either from the sun or the that I always enjoyed. But never was colors so beautifully. Our freesass are away, I intend some day to take a look at giving us great pleasure besides the sweet perfume. I counted on two pots 14 full bloom bunches. Through carelessness they have fallen over the pots, which stakes, "where there are two there must be one; they shade in the pots of the state of the pots of t

we have some twenty geraniums, all dif-ferent. I had several flowers in my win-dow this winter that will be discarded dow this winter that will be discarded next winter, as they did not bloom until spring. Two cyclamens, which I raised from seed, are now in bloom. They are four years old, from planting. A long time to wait, but I feel well repaid. What is a florist unless he has patience? My cyclamens are worth a dollar apiece and there are others coming that may be even better. The primulas are just grand! The largest I ever had. My neighbor has larger bunches on her plants, but the flowers are not so large as ours. It is conceded that Mrs. L leads in the primugood social chat with some of them conceded that Mrs. L leads in the primugood social chat with some of them conceded that Mrs. L leads in the primugood social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primugod social chat with some of them conceded that Mrs. L leads in the primary construction and honest, no differenceabout the national cleaning, which is injurious to the plated articles, dissolve a small handful of borax in a dissopor sat Lazarus.

St. Clair Co., III.

Written for the RURAL WORLD, or like the sluce. SLUP.

ulture for the market, in the three large pleasant little home on Fourth street green houses recently added to the institution. What a happy idea! The person, man or woman, that first thought of that should have a m LOUISA MILLER.

Written for the RURAL WORLD

This is the season of the year when the farmer's wife is busy as she can be with such a variety of labors that to enumerate each singly would half discourage the

Having our work well planned is a great Having our work well planned is a great help, when the busy time is upon us. Idyll, we were not so well acquainted with but as she was in the same office work during the quiet winter days by looking over and repairing those last year's garments that must serve another quainted with her. As I have the happy on with joy in this; it attaches to the

know her to be too kind and gentie a soul to fear much at her hands. Often when falking to and looking at Nancy I think May Myrtle must have developed into some such looking person as Nancy by this time, with a silver sheen in her hands of the housewife, it should be near the house, so that it is not a task to give a few minutes to planting or growing what we may choose to attempt. To go to the garden and work half a day is beyond the strength and desires of most women, but the same work may be performed a few minutes at a time, and be a real pleasure. Most children will work cheerfully for a half hour with mother in the garden, and the quick little fingers can become wonderfully adept in dropping seeds and setting the tiny plants. The child would consider an hour's work alone in the garden an irksome task.

I venture to say every woman on a farm would like to have some flowers. Perhaps I have been most fortunately situated, but I have never known one woman in a county home who did not desire and a farm the plants and other components.

and I believe for such a woman a collection of flowering shrubs and bulbs is more satisfactory than any other. What a wealth of beauty they afford, and while they have wants that must be understood and attended to, require a compara-

ocure a few roses. Here in South Mis-iri, our clay soils, when fully enriched.

Texas Co., Mo. a rose that is simply wonderful. So grow a rose that is simply wonderful. So few things are necessary beyond good drainage, some mulch and an application of water in the hot, dry summers, and we may have growth and bloom the season through. With our climbing roses, hybrids, perpetuals and tea roses, the blooming season extends over months instead of weeks, as we used to think. Most varieties of tea roses can be safely windered to the common of the Rural Like many others I first read "Week by Week," then turn to the Home Circle, what is the matter with Ella Curpenter? Her place has been vacant so long. My this spring at least of JANET HEATH. hardy shrub. Wright Co., Mo.

Written for the RURAL WORLD.

often, for we will know her voice and Bu for the Boer. One thing I am such a such as the Boer. One thing I am such as full sympathy for the poor mothers whose count of the war. War is always a count of the war. War is always a Have the sandstorms of Nebraska (of wicked and cruel way of settling diffi- whose velocity and power this writer is acquainted) carried her beyond the reach of her friends? Mention of some writers is not to be interpreted as wanting to ig-"Oxalis" was so very good on flori-is not to be interpreted as wanting to ig-re. Where is she? I look for her nore the presence of others, for while I culture. Where is she? I flook for her line the presence of others, for which vain of late. Her name suggests to me write there are innumerable names coming up and I would like to see every one.

are so tiny, but so sweet. As soon as the seed has ripened, or before, my daughter will cut it off at the ground, as it is now turning yellow. It needs a rest. Ours has been grand. We have it trained in a large wreath made of wire.

Of geraniums we think John Lewis Childs' "Madonna" and "Columbia" the most beautiful. The first is such a delicate color, and the second red and white.

conceded that Mrs. L. leads in the primu-la line. I hear that she uses the soli from under pines and cedars, but she is Vary chary about giving information.

good social chat with some of them through its columns. Having lived neigh-bor to May Myrtle for some time and met Idyll at different times while living in I saw in the "Globe-Democrat" that in the Illinois "House of Correction" the women are to be set to work at flower How well we remember May Myrtle's ers and plants, a perfect earth worm. Then we would miss her among the flowers, and soon we heard the beautiful strains of the plano floating away on the air, we knew whose touch it was. Then the music would cease and we knew she had slipped away into solitude and was writing some little bit of poetry, society news or something witty and wise. Her two bright little children, Ernest and Lapett, with the happy home come vividto our memory whenever we read May Myrtle's letters.

season; who has done up her plain summer sewing, and disposed of her "waste" material in carpet rags, or what not, thus reachly scales in carpet rags, or what not, thus reachly scales in carpet rags, or what not, thus about her for she is liable to step in any greatly relieving the burden of spring time and call me to account for it. I know her to be too kind and gentle a soul to fear much at her hands. Often

but I have never known one woman in a county home who did not desire and attempt to raise some kind of flowers. Most water near the house, many flowering of them spend at least a few pence each shrubs with seven or eight different kinds year for seeds or plants, with varying of roses and other flowers that make our success. The woman who has charge of the house, dairy, poultry yard and vegetable garden cannot give many hours to flowers. However, she may have them, and I believe the rose of the thouse of the thouse the season we will come in during strawberry season we will

a wealth of beauty they afford, and while peaches and cream.

We fully sympathize with Nancy in thaving to leave her lately acquired home, tively small amount of work given them. The shrubs this spring, then a few bulbs in the fall, and by adding each year soon have a satisfactory and valuable collection.

The fall, and by adding each year soon have a satisfactory and valuable collection.

The fall, and it can be put on the market much earlier than meat cured in the old way. Liquid Extract of Smoke is manufactured by E. Krauser & Bro., Milton, Pa., who country. We conclude, however, that all the fall, and by adding each year soon have a satisfactory and valuable collection.

Mothers will find "Mrs. Winslow's Soothing syrup" the Best Remedy for Children Teething.

No better start could be made than to to part with true friendship when we receive a few roses. Here in South Mishave once found it.

AURELIA.

varieties of tea roses can be safely wintered here, by cutting back to not more
than three or four inches high, late in the
autumn, standing a strip of sod around
the rose bed and filling in with leaves.
Remove the covering with first warm
spring weather. So many satisfactory
shrubs could be named. I hope that
sisters of this South Missouri country.

I am a farmer's wife, as doubtless many
I am a farmer's wife, as doubtless many pring weather. So many satisfactory arubs could be named. I hope that very farmer's wife that can any way I am a farmer's wife, as doubtless many make it possible will add to her door yard of you are. I have three small children or the eldest only four years of age. I find the work and care very hard at times. Still I enjoy farm work and what would life be worth without the little children Here is a little verse I hope we may all profit by:

"Tis such a little thing to do,
To give a kindly word or two,
To all with whom we meet.
But every word thus kindly given
Helps form that golden chain toward
Heaven,
And make one's life more sweet."

ective way of serving oranges than in the orange basket. To make the "dish" really delightful, however, the fruit should be fine and thin-skinned. This equisite complied with, cut each orange evenly in two, remove the pulp and sepa-rate it into sections, taking out the seed, but breaking the edible part as little as possible. Then, with fine wire, make andle to each half of the rind, so as to constitute of it a tiny basket, and this handle wind with some sort of ribbon. stove to look their best. My daughter counted 20 bunches on her two plants some time ago. They set off the other colors so beautifully. Our freesias are away, I intend some day to take a look at

makes them all the prettier, as they stand on brackets. But for exquisite perfume have the smilax to bloom. The flowers are so tiny, but so sweet. As soon as the disgusted way, "It is always the Irish in rows on a large platter, which being as a substitute lemon juice over sweet

TO KEEP SILVER BRIGHT.

To keep silver bright without constant cleaning, which is injurious to the plated articles, dissolve a small handful of bo-rax in a dishpanful of hot water with a Egg stains can be removed from silver with a cloth dipped in salt water. Pow-dered charcoal gives the knives a fine polish if applied after they are scoured clean.

He is happiest, be he king or peasant who finds happiness in his home.-Goethe. is something in that little word which lifts the heart into the throat and ever excites intense emotion. R Rickersteth

Any feeling that takes a man away from his home is a traitor to the house-hold; home should be the center of joy, quatorial and tropical.-H. W. Beecher There is a magic in that little word nome; it is a mystic circle that surrounds comforts or virtues never known beyone its hallowed limits.-Southey.

We pity the man, however prosperous his pecuniary condition, or however great his fame, who has not a happy home. A happy home is the heaven of this life.—

origin elsewhere; it is born with us, I never spent ten cents for poultry for indulge in family affection

GOOD THINGS TO LEARN.

Learn to laugh. A good laugh is better

sick room.

Learn to keep your own troubles to yourself. The world is too busy to care for your ills and sorrows.

Learn to stop croaking. If you cannot see any good in this world, keep the bad to yourself.

to yourself.
Learn to attend strictly to your own business. Very important point.
Learn to hide your aches and pains under a pleasant smile. No one cares whether you have the earache, headache or the unsatism.

rheumatism.

Learn to greet your friends with a smile. They carry too many frowns in their own hearts to be bothered with any of yours.

AN EASY WAY TO CURE MEATS. Hickory-Wood Smoke Reduced to Liquid and Applied With a Brush.

and Applied With a Brush.

The tedious and ofttimes offensive method of curing meats over the smudge fire of the smoke-house has a most cleanly, economical and convenient successor in Krauser's Liquid Extract of Smoke. It is made from selected, clear hickory, the wood that gives meat such a sweet, delicious flavor, and preserves it longest. The extract is applied with a brush of sponge and in a few minutes covers the meat more thoroughly than the smoke could if the meat for weeks. The protection against insects is perfect and it keeps better; the meat ful, and it can be put on the market much earlier than meat cured in the old way. Liquid Extract of Smoke is manufactured by E. Krauser & Bro., Milton, Pa., who will be glad to send information. It is in general use throughout the United States, though it has been manufactured but a few years.

Mothers will find "Mrs. Winslow's Southing

Poultry Yard.

GLEN RAVEN EGG-FARM PAPER.

Editor RURAL WORLD: The chick ess is a whole year ro The egg output is an everyday incom The poultry keeper who does not have eggs on his table every day during the year (if he wants them) hasn't got much nicken sense, or if he has the sense, he oes not apply it to his business. It is ust as essential that we poultrymen run ur business the whole year as it is for the merchant, or any other bu to do the same with his. The winter months are the best paying months for the market poultryman, as eggs spring chickens produced during this tim bring the best prices. If I were to drop out of my business at the approach winter and spit in my hands and take new hold in the spring, I would consider had missed the very best time of year ir which to make the business pay. This applies to the fancy as well as the market siness. I am not a market poultryman have been doing "the fancy" for 1 eggs and culled stock, it shows very plain when it pays best to have them

At this writing, March 25, I have three cases of eggs, 135 young chickers, a 200-egg cubator and four hens sitting. Some my chicks, hatched January 20, are a goo profer size and would bring fancy price for that purpose if I see fit to sell then but only the culls will be disposed of The fancy ones will be kept for the earl fall fancy trade.

There is always a good demand for early

atched fancy stock for breeders. I ex pect to put up suitable buildings this summer in which to handle 599 young chickens by this time next year. It is no experiment with me. I have grown up in the business, step by step. I have suitable houses to make the production of eggs in winter just as sure as in summer. have the incubators that hatch, no mat ter how cold the weather, and I make brooders in which I can raise every wellhatched chick.

This chicken business is a great and rowing one. It is getting better all the me. There is plenty of room for more fanciers and more market poultrymer There is no question but the business wil pay a handsome profit the whole year if the attendant has the knowledge required the right kind of material in him, and produces the very best stock possible, both fancy and for market, and keeps his ess before the buying public all the E. W. GEER. St. Francois Co., Mo.

PLEA FOR THE DOG ON THE POULTRY FARM.

Editor RURAL WORLD: The sheep og question has been extensively dis-ussed in your paper. Most of the writers eem willing to concede that the canine race is of some benefit. But in a late sue Mr. J. L. Marshall, of Lafayette County, Mo., advises the extermin of all dogs, without exception, oodle to mastiff."

Now, I have no sympathy with sheep-dilling dogs, but let us consider for a minute what would be the result if Mr. Marshall could have his way. Chicken stealing has become a profitable branch of crime. In some country districts it is carried on systematically. Scarcely a week passes that we do not see accounts in the papers of heavy losses in this lin A lady relative, living in North Missour lost all her young poultry just when sl had them ready for market. There wa no dog on the place. Two years ago I had 50 hens stolen in one night. If I had had a dog to protect them and give the alarm that would not have happened. A neigh bor lost all his turkeys, and another los 75 fine pullets; neither of them had

If all dogs are such an unmitigated n isance it is strange that these light-fin gered gentry invariably visit farms where here are no dogs to mo Henry Co., Mo. J. N. HOWLAND.

A HELP TO POULTRY RAISERS.

Editor RURAL WORLD: I have been reader of your excellent paper until it as become a part of my farm enjoyment It helps us to plan for the present an future, and serves as a guide; often it gives us a hearty laugh. To laugh is con-ductive to good health. How I sympathize with J. W. P. of Nebraska! I, too, started ence; but I never thought fine but the one necessary in the poultry business with no experi the one necessary article. His failure brought home to me some of my own past of any kind, but made "Madam Bidd tnow she must eat what the farm wou roduce or go to market at once. Seve ears of "sticktoitiveness" have made the poultry business a partial success on this farm. My hens are winter layers or goers to market. I find hatching with an incubator better than hatching with hen To-day I have relieved an incubator of 2

My sympathies are with Garnet in her lisappointment over her white. Langhans. I bought Langshan eggs expecting them to feather out black. Instead, they had feathers of many colors. I shall not keep them to breed from. Neither will l parronize the same man again.

I do so much enjoy Judge Miller's arti-des they are in my line of work. Then he sheep columns and poultry yard are in I wish I could change localities with

Nancy. I am interested in that part of the state. We own a farm here and will stay with it until a buyer comes along. MRS. E. H. Linn Co., Mo. The ideal hired girl and the ideal hired

an won't remain hired ideals. Each ees in the other the ideal home provide and home maker and they are soon loo ing for ideal help themselves.

THE "FARMER'S FAVORITE"



Half-a-Century's Product.

During the last half-century nearly Seventeen Million Singer Sewing-Machines have been made and sold. This tremendous product would make one gigantic machine head that would reach from the Singer factory at Elizabeth, N. J., to the factory at Kilbowle, Scotland. Its base would be about three thousand miles long and twelve hundred miles wide. The top of its needle-bar would be fifteen hundred miles above the earth.

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GGS from prize winning (Mountauk strai Barred Plymouth Rocks, large and vigorou nicely barred, if for 15, \$1.50 for 26. Albert Gutgesell, Alfred & Scanlan Ave.. St, Lou

OR SALE—Eggs from scored birds; R. C. B. Leg-horns, S. S. Hamburg, Embden Geese MRS. ROBERT HICKERSON, Montgomery, City. Mc LIAS ROBINSON, Breeder and Shipper of Du Jersey hogs, Recorded stock, Carmi, Illinois.

MARTIN'S POULTRY FARM.

Black Langshan, Yard No. 1, 14 eggs, \$1; Yard No. 2 14 eggs, \$1.25; S. L. Wyandottes, Yard No. 1, 14 eggs, \$1.25; B. P. Rocks, Yard No. 1, 14 eggs, \$1; S. C. B. Leghorn, Yard No. 1, 14 eggs, \$1; Toulouse Goose Beggs, each Sc. S. P. MARTIN, Cuba. Mo. F665 -Pure bred B.P. Rocks, 15 for \$1.00; 30 for \$1.50. Large Grey or Toulouse Geese Eggs, 25 cts each. MAPLE GROVE FARM. A. E. PHILLIPS. Aviston, Illinois.

Eggs from best Barred Plymouth Rocks. nt Brahmas, Black Langshans and single comb wn Leghorns, \$1.59 for 15: \$2.59 for 30; \$5 for 75. SUNSHINE POULTRY YARDS, I. JAMISON, Prop.

RONDALE, Mo.

Bronze Turkeys. Toms often weigh 40 to 46 lb. Jens 18 to 26 lb., Eggs 44.00 per 12. "Autocrat-Felch Strain Light Brahmes fine plumage a Barred Plymouths and Black-Langahans 18 for sale. Eggs 22.00 per 15. Mrs. THOS. W. RAGSDALE. Paris, Mo.

BUFF PLYMOUTH ROCKS. Burdick Stochended by cook erel scoring 91.3 pens. Eggs. 81.25, 81.50, 81.75 per 13 \$2.00, \$2.50, \$2.75 per 26. T. S. Lewis, Glasgow, M. White Holland Turkeys

Eggs \$2 per 11. Black Langshans, \$1.50 per 15. S. (White Leghorns, #1 per 15; \$5 per 100. Send you orders to Mrs. BELLE BALDWIN, Shelbyville, Mc SPRING HILL POULTRY FARM. mammoth pronze, White Holland Turkey eggs 20. each. Buff Cochin. Buff, White and Barred Rocks Buff Cochin Bantams. White Guineas, Pekin Ducks

A. C. TOMB, Eureka, Ill.

17 008T US \$4,000 Costs 150 Address nearest office. SYPHERS INCUBATOR CO.
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WHITE HOLLAND TURKEY EGGS, 82 per 11, Stock scored 95 to 9656 by Bridge.

BUFF PLYMONTH ROCKS Shepherd Strain est. Best of all Winter Layers.
of Sittings at \$2.00 for 15 Eggs.
R. G. JORDAN, Ferguson, 5.0

BARRED PLYMOUTH ROCK EGGS

B. P. ROCKS, ngshans and Brown Leghorn Eggs i 15 for \$1.00; 60 for \$3.00; 100 for \$4.00. Yo any of the above breeds. White Pek

ny of the above breeds. White Peki 12 for \$1.00. G. M. KERN & BROS., Shelbina, Mo. 14 EGGS \$1.00, 14 EGGS \$2.00, Standard ite and Buff Plymouth Rocks. Pekin Ducks J. B. FLEMING, Box 467, Mexico,

IMPROVED CHESTER WHITE SWINE. S. F. BROWN, Ashmore, Ill

MAPLE VIEW STOCK FARM. Headquarters for best strains of Barred Plymouth Rocks, Buff Cochins, and Light Brahmas. Eggs \$2.00 per 15, \$3.00 per 30. Bronze Turkers (Mackey strain \$2.00 per 9. Satisfaction guaranteed. Mrs. JOHN L GAISER, L. B. 68. Charleston, Ill.

EGGS from S. C. B. Leghorns.
B. P. Rocks and Black
Langshans at Bi per 15, 60
for 8i, Leghorn Eggs \$i
per hundred. F. D. LUCE, Shelbina, Shelby Co., Mc

PURE BRED Barred Plymouth Rocks, White and Black Langshans, White annual Partridge Cochins from best strains in country Eggs \$1 for 13. J. L. GREENLEE, Kahoka, Mo. EDGEBROOK POULTRY YARDS. Buff and Barred Plymouth Rocks. Stock and egg for sale. HENRY RIEHL, Maplewood, Mo.

WOODLAWN POULTRY FARM. Six varieties of high scoring poultry. Circulars free.

J. BAKER SAPP, Claywille, Mo

PRAIRIE HOME POULTRY YARDS

BLACK BREASTED RED GAMES

Poultry Supplies. Do You Keep Poultry?

H. Mck. Wilson & Co.

Barred Plymouth Rock Eggs Yard No. 1 will score 89 to 93, mated with a No. 1 Cockerel, \$2 per 15 eggs;

Yard 2 and 3, mated for pullets, eggs \$1.50 per setting; Yard No. 4 com; posed of birds that have free range of farm, eggs \$1 per 15 or \$5 per 100 Eggs. Order soon and mention Colman's Rural World EDW. BURROUGHS, El Paso, Illinois.

Bargains in Mammoth Bronze Turkeys.

Fine Toms at \$3 each if ordered AT ONCE. Send orders for eggs from my premium Barred Plymouth Rocks. Poland-Chinas, either sex at reasonable prices.

C. H. JONES, Pawnee, Illinois.

From Full-Blooded Stock at Less Than One-Haif the Price Sold for Lats Season.

Barred Plymouth Rocks. 14 Eggs \$1.00 Black Langshans. 13 Eggs \$1.00 White " 10 \$81.00 Fig Gardenmas. 13 " \$1.00 Bluff Langshans. 13 " \$1.00 Bluff L

CHICKENS

Buff and White Plymouth
Rooks

Rooks

Black Langshans

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Maple Grove Poultry Yards BARRED PLYMOUTH ROCKS EXCLUSIVELY!

ys to the front. I showed twenty birds in hot competition of 216 in Mo. December 4 to 9, 1899. Won let and 2d [Cockerel score 93, 93%] breeding pen 185 9.16. Sweepstake over American class. 31 If don't show the same of the cockere with the same of the cockere and the same of the cockere and the same of th

POULTRY.

EGGS-We breed the best. B. Lang. B. Ply Rock. Part. Coch., Lt. Brab., S. C. B. Leg. and Pekin Ducks. Circular free. CONTINENTAL POULTRY FARM, Belleville, III FARM RAISED 8. L. Wyandottes

 Cockerels all sold, Pola JAS. A. STRAIN, RENO, IL 0. W. REED. Prairie Hill, Mo., Light Brahma.
Barred Rocks a specialty. Eggs, \$1 to \$2. B. P. ROCKS, M. B. Turkey Eggs in season. S. DUNCAN, Perrin, Mc

EGGS For Hatching from ten varieties of land and water fowls.

MRS. M. E. OREWILER, Shelbyville, Mo. 12 years a breeder of Bronze Turkeys. Extra
12 years a breeder of Bronze Turkeys. Extra
at St. Louis 1900. Black Langshans and B. P.
Rocks: Pullets from \$10.00 to \$12.00 per dozen
Brown Leghorn bens. Eggs in season, also for in
cubator. Mrs. JENNE WILCOXEN
Bowling Green. Mo

Glen Raven Egg Farm s Brown and White Leghorns, Black Marred and White P. Books. Fowls and oa, Barred and White P. Books. Fowls and eggs for sale any season. Stock mated all the time. 13 eggs \$1.25; 26 eggs \$2; 100 eggs \$4.00; 200 eggs \$7. Catalog free. B. W. GEER, Farmington, Mo. CHOICE Buff and White Cock' is cheap. Orders for eggs booked now. Mrs. J. E. MAY, Wilson. Mo.

Toulouse Ganders. A few Good Ones chesp for this month only Address L. G. JONES, Towanda, McLean County, Ili.

200 Sliver Wyandostes, scoring runs to 98 farm range. Mammoth Brouse Turkeys Toulouse Geese, birds and eggs for sale; prices reasonable. Mrs. J. D. Lyda, box 12, Atlasts. Mo. LARGE WHITE HOLLAND TURKEYS.

LARUL
Fin eggs for \$2,00; pure White Guineas, in Fin eggs for \$2,00; pure White Guineas, in Fin Edge Fig. 50; Big Fekir Lock State Fig. 13 eggs for \$1.50; Big Fekir Lock n. Get your orders early to JOHN R. GARBEE, Box R W. Billings, Mo.

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MACKEY'S BRONZE TURKEYS-B. P. Rocks
MACKEY'S Felch Brahmas, Bik. Langshanand S. C. R. Leghorns go everywhere and win
prises. Mrs. B. G. Mackey, Prop. Hillside Positry-Yards, Clarksville, Mo., will sell them t: yes. BLACK Langshans and Bronze Turkey Win-blans \$1 up. Turkeys \$2 up. all extra large-satisfaction guaranteed L. E. Meyer, Bowling Green, Mo.

WENTY-five years in the poultry business have shipped Iowis and eggs to almost ever state. Send for illustrated catalog of the bes fastern stock. MES. KATE ORIFITH. iowis and eggs to almost every liustrated catalog of the best MRS. KATE GRIFFITH, Bowling Greez, Mo.

Partridge Wyandottes. or Ducks, Duroc. Jersey Swine. Stock of the BOBERT BLACK Raymond, Neb. Cornish Indian Chickens

s in season. T. J. KENNEDY, Waverly, Miss. EGGS white Plymouth Rocks \$1.00 per 13. Mrs. JOHN GROVES, Big Neck, 111.

EGG CAT SO Prizes COTT BARNETT S. S. HAMBURGS \$1.00 each. 6 for \$5.00: or 45, \$4.50 for 100.

FRED. A. DALTON, WALKER, MO. EGGS from Silver Plume Poultry Farm Lt.
Brahamas exclusively. W. H. Turkeys and Imperial Pekin Ducks. For prices write
M. BENWAY, Brookfield, Mo.

XPRESS PAID oneggs by giving extra number, 21 years in the pure bred poultry business, inve shipped fowls and eggs to almost every tate. Mrs. K. Griffith. Calumet, Pike Co., Mo. Golden Wyandottes.

t and 2nd at great St. Louis Fair '99. Three 2nd es at St. Louis Show, Jan. 1990. Healthy, Vig-as Stock. Eggs \$1.50 per 13.
S. P. VAN NORT, Old Orchard. Mo. 1882. EGGS \$1.50 PER 15. 1900. grand yards strictly high-class Lt. Brahmss. Buf ochins, Barred Ply. Rocks, S. L. Wyandotess. H. T. REED, Camp Point, Illinois.

EGGS! EGGS FOR HATCHING! Wyandottes, C. I. Games, B. P. Rocks. dins, S. C. B. Leghorns, White Indian hite Langshans, Golden Seabright Ban-tte Guineas, M. B. Turkeys and White se. J. M. STONE, Box 9, Hinton, Mo.

noth White Turkeys. Eggs, \$2.50 per setting arred Plymouth Rocks. choice stock eggs. \$1 5 young Holstein Bulls cheap. Berkshire G. W. McINTOSH. Monett, Mo ROCKY HILL POULTRY FARM
BreedsBarred and White P Rocks, Silver L. and
White Wyandottes. Bronze Tarkeys and Pekin
Juck's eggs from high scoring birds. Write for
treular of matings for season of 190. A few Cockrels for sale: prices low, quality roundfared.

EGGS | BARRED P. BOCKS... | 13 for 81.50 | 30 for 83.00 | 30 for 83.00 | 32 for 83.00 | 33 for 83.00 | 33 for 83.00 | 34 for 83.00 | 34 for 83.00 | 35 for 8

Bree bogs Boel

JOH Breed wold PRA Stratuhead Bred

EGGS \$1.25 PER 15. From strictly high-class L. Brahmas and S. Wyandottes. S. J. PROBASCO, Palmyra, Mc

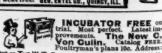
B. P. ROCKS exclusively, for 17 years, Eggs. 12.25 for 15., \$2.00 for 30. Mrs. M. A. COTTEY, Knox City, Mo. OAKLAW GRANGE—Book orders now for per dos. My Tom scores 97 by Emery. MISS MARGARET W. SHIELS. Purdy, Mo.

WYANDO FTES, Silver and Waite Barred Ply Wooth Rocks, Light Brahmas and Royal Pekin Ducks. No better. Bggs 82 for 13. Ofrenier Free. Normandy Poultry Co., Normandy, Mo. EGGS from L. Brahmas, B. P. Rocks, S. L. Wy-andottes, S. C. B. Leghorns, Bronze Turkeys and Pekin Ducks. J. BAKER SAPP, Claysvills, Mo EGGS: NINE VARIETIES.









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se as on with this machine. Thousands of
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wool from each sheep.
Pays for itself the first
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don't butcher your
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POLAND-CHINAS! Parties to buy good young stock can secure extra bargains writing soon. Am offering some very choice all plac of Black U. S. Wilkes, Perfection and

Bome of the best Foland-China blood sired by U. S. Chief Tecumash 2d 22767, Prince Hadley 1962s, Expectance 21921, and just of the finest ewa of the breed. May and June pigs, either tex, 513 white they hast . E. SPIES PRESDING CO., St. Jacob. Ill.

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ble prices and of the best breeding. Write for prices J. H. WAGENECK, Enfield, Illinois.

OAKWOODS!! POLAND CHINAS POR SALE! Harly spring boar and choice fall pigs. 60 south and gilts bred to four boars. \$15 to \$25. B. p. and gilts bred to four boars. guaranteed as represented. H. S. WILLIAMSON, Centralia, Boone Co., Mo.

SOLD OUT—All but a few August pigs. Outlook good for coming crop of pigs.
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POLAND-CHINAS. Gilt edge and individual merit combined R. L. ORGAN, Carmi, White Co...iii.

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Duroc Jersey and Berkshire Hogs! Extra breeding. Batisfaction guaranteed or you may return at my expense.
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PRAIRIE GROVE HERD OF BERKSHIRES straight Gentry stock. Sailies Duke and Dandy at head of herd. Pigs as fine as slik and at right prices. Bred sows on hand for sale, and a few male pigs.

J. T. MOORE, Speed, Mo. Rose Hill Herd of Duroc Jersey Hogs. Boers ready to ship and February and March pigs for sale.

S. Y. THORNTON, Blackwater, Mo.

The Pig Pen.

monia, the same as a human being would.
They are left to doctor themselves and generally die. Another cause of loss is by feeders buying timber hogs that never saw any corn, and when starving for something to eat turn them in after the cattle. Being very hungry they gorge themselves. This, with the sudden change of feed, produces fever and they generally die, and cholera is given the credit for States has easily achieved a unique position among swine raising countries, with the sudden change of peculiar interest. The United States presents features of peculiar interest. The United States presents features of peculiar interest. The United States has easily achieved a unique position among swine raising countries, with a total of more than one-half of the gradually there is no trouble.

LEVI LEFLER.

A Average St. A. C. Wilson, Ricman Wils.

32. A. C. Wilson, Ricman Wils.

33. A. C. Wilson, Ricman Wils.

34. H. Cornelius, Bement, III. 28

35. W. R. Loveless, Belleflower, III. 26

36. W. R. Loveless, Belleflower, III. 26

37. A. G. Woodbury.

38. John Farrow. Bement, III. 27

38. March 2

37. A. G. Woodbury.

38. John Farrow. Bement, III. 26

38. March 2

39. W. R. Loveless, Belleflower, III. 26

39. W. R. Loveless, Belleflower, III. 26

30. W. R. Loveless, Belleflower, III. 26

30. W. R. Loveless, Belleflower, III. 26

31. J. P. Rose, Bement, III. 27

41. J. P. Rose, Bement, III. 27

42. J. P. Rose, Bement, III. 27

43. M. P. Scott, Bement, III. 27

44. Dan Hallowell, Farmer City, III. 20

44. A. Havenstreet, Blue Mound, III. 20

44. A. Havenstreet, Blue Mound, III. 20

44. A. Havenstreet, Blue Mound, III. 20

44. A. G. Woodbury.

45. M. R. Loveless, Belleflower, III. 26

36. W. R. Loveless, Belleflower, III. 26

37. A. G. Woodbury.

47. A. G. Woodbury.

47. A. G. Woodbury.

48. M. P. Scott, Bement, III. 26

49. March 27

40. Jan Hallowell, Farmer City, III. 20

40. A. Havenstreet, Blue Mound, III. 20

41. J. P. Rose, Bement, III. 26

42. J. P. Rose, Bement, III. 26

43. M. P. Scott, Bement, III. 26

44. J. P. Ro

tions, and yet we do not doubt that study of the paper will show the intelligent farmer who expects to keep only a few hogs how he can turn them to better account than he has heretofore. For instance, the question of maintaining soil fertility is pressing more and more. The hogs should be looked to for help on this problem:

The heating with each great growth of our swine raising industry has been of the utmost importance to the farmers of the country, since it has furnished them an outlet, otherwise difficult to obtain, for their surplus corn. The hog has become not only a converter, but a condenser of values, and as such has sought out Eastern and European markets the cases where it would have ons, and yet we do not doubt that study the of the country.

To begin with, get good stock, regisered if you can. That pays the best, then advertise in your local or county parameters in your local or county parameters. The development of swine and cattle-

It is a true saying that farm stock will be just what the owner makes it. It is true of swine to a greater extent perhaps than any other animal on the farm. Hogs can exist under adverse conditions and live with less care than any other stock except perhaps the hen. On the other stock perhaps the hen. On the other shand, they will more readily respond to good care and feed than any animal we raise on the farm. They can eat anything from spring water to oat straw, and grow upon it, if given something else to fill out the ration. But should the grower not want of the state of the modern packing house was established in Cincinnati. In those days Cincinnati possessed peculiar advantages for this industry. Adjacent to the corn fields of Ohio, Indiana and Kentucky, Cincinnati possessed the further advantages of being situated on the Ohio river, down which her packed products were shipped to Kew Orleans, to be reshipped to Philadelphia, New York and Boston. The

and the farm. They can ext anything being situated on the Garden and feed than any animal way the farm. They can ext anything the provisions and the farm. They can ext anything the form to the farm. They can ext anything the farm of the farm. They can ext anything the farm of the farm. They can ext anything the farm of the farm and dary into the farm and dary into the farm and dary into the waste product of the farm and dary into the waste product of the farm and dary into the waste product of the farm and dary into the waste in butter and cheese making, but if given the control cannot control the waste in butter and cheese making, but if given the products of the farm and dary into the farm the and the successity of the substitution. The stretch of the waste in butter and cheese making, but if given the control control the other waste product of the farm and dary into the farm the angle of the control of th



The fond mother dreams great dreams of baby's future as she holds the sleeping little one in her arms. But the dreams will never come true unless she has given him a strong body and a healthy mind. Children die in hosts, or live to struggle through life feeble of body and dull of mind because the mother was unfit physically and mentally for motherhood. Women who use Dr. Pierce's Favorite Prescription endow their chil-

only about four feet of floor in each pen, and that is where the feeding trough is placed; the balance of the pen he keeps filled with muck or straw about two feet in depth, and that is drawn out twice a year. Two hogs well kept will produce, or curly to about three cards per year.

The following is from a paper read be
The fo ore a Vermont farmers' meeting. It con-tins suggestions which may not be re-arded as applicable to western condi-still greater extent true of the horned cat-

Then advertise in your local or county paper, not spasmodically, but keep at it, and aim to sell your pork produce as pigs or shotes, not pork. I sold \$28\$ worth of pigs, shotes and pork in 1856. It is a true saying that farm stock will when in Colonial days primitive packing 13.

allowed to become too old.
3. The cost of producing a pound of pork increases with the age of a pig.
4. The alm should be to produce from 150

to 200-pound pigs at six to seven months old for the greatest profit. 5. Skim milk was found to have a feed-

ing value for pigs equal to fully double the price charged at most of the cream-eries of the State. 6. Separator skim milk at ½ cent per

6. Separator skim milk at ½ cent per gallon, and linseed and gluten meals at \$15 per ton, have about the same value for balancing rations for pig feed.
7. Cream or "King" gluten meal was found to be more economical for balancing rations for pigs than linseed meal.
8. Ground fodder, such as the New Corn Product, was found to be a valuable ad-

mint physically and mentally for motherhood. Women who use Dr. Pierce's Favorite Prescription endow their children with strong bodies and bright minds. It is every mother's duty to give her child the advantages of a healthy body and mind. A weak or sickly woman cannot do this. "Favorite Prescription" makes weak women strong and sick women well.

Mrs. Orrin Stiles, of Downing, Dunn Co., Wis., writes: "I have been intending to write to you ever since my baby was born'in regard to what your 'Favorite Prescription' has done for me. I cannot praise it enough, for I have not been as well for five years as I now am. In July last I had a baby boy, weight ir pounds, and laws only sake a short time, and since I got up. Down the since I got up. I was not only surprised myself but all of my friends here are surprised to see me so well."

Dr. Pierce's Pellets cure biliousness. G. W. M'INTOSH, Monett, Mo., breed-

WHEN HOGS DIE.

Editor RURAL WORLD: When any one in this section loses swine the loss is charged to cholera. The writer has lived in this country over 18 years and raises more swine than any other man in the county. I have never yet seen a case of cholera. Swine, properly cared for and properly fed, are very healthy in this section. Too many farmers think the hog can eat anything and needs no better protection than a wire fence and a ring or two in his snout, so he can not procure that which nature and instinct teaches him to rustle for. Without shelter or bedding hogs will pile up in cold weather, and some must inevitably get too warm, so that when they get out of the nest the cold strikes them and they get poneumonia, the same as a human being would. They are left to doctor themselves and generally die. Another cause of loss is by feeders buying timber hogs that never saw any corn, and when starving for the very best fertilizer. It may be call eather that when the country to hogs well kept will produce, or ought to, about three cords per year of the very best fertilizer. It may be the caster and does not take much time to draw and apply the chemicals, but it requires quite an effort to meet phosphate to meet phosph

ing \$225 for No. 1 of the catalog, a son of Mr. E. H. Ware's great herd boar I Am Perfection, 4935, and out of Gem's U. S., she by U. S. Chief, 24609. Bounds Bros., Atherton, O., bought the highest priced onverter, as such list of purchasers and prices;

A. G. Woodbury.
Henry Schmirtzman, Freeport, Ill..
Frank Long, Struble, Iowa.
E. E. Axline.

		ST. I	JOUIS	9.				
1900.		Top.			Bulk Sales.			
March	1	\$	1 95	84	85	to	\$4	92
March	2		6 05	4	85	to	4	96
March	3	4		4	80	to	4	90
March	5	4	9712	4	80	to	4	95
March	6	4		4	80	to	4	921
March	7	8	00	4	85	to	4	971
March	8	4	9712	4	85	to	4	95
March	9	5		4	90	to	4	971
March	10	4	971/2	4	90	to	4	95
March	12	5		4	90	to	5	00
March	13	5	05	4	90	to	6	00
March	14	6	05	4	85	to	4	95
March	15	5	071/2	4	90	to	5	00
March	16	5		4	90	to	5	021
March	17	5		5	00	to	5	10
March	19	5	15	4	95	to	5	10
March	20	5	15	4	90	to	5	06
March	21	5	121/2	4	90	to	5	00
March	22	5		4	95	to		10
March	23	5	25	5	00	to		10
March	24	5	25	5	10	to	5	15
March	26	5	20	5	00	to		121
March	27	5	30	5	071/2	to	5	20

YOU would like the lampchimneys that do not amuse themselves by popping at inconvenient times, wouldn't you?'

when it tumbles.

Average\$5 15 \$4 96 to \$5 07

ance was good, considering the very un-favorable weather. Shellenbarger & Cox, of Camden, O., topped the sale by pay-ing \$25 for No. 1 of the catalog, a son of sow a daughter of Chief Tecumseh 2nd, and out of the noted Lady U. S. 2nd, pay-

Same. Price.
Shellenborger & Cox, Camden, O. \$25
A. G. Woodbury, Danville, Ill. \$0
Fred. Gralle, Struble, Iowa. 50
O. M. Healy, Bedford, Iowa. 41
Oviatt Bros., Kansas City, Mo. 103
Ira E. Boyan, Princeton, Ill
E. E. Ayling, Company

be bought in bags, taking into consideration the cost and lasting effects. Give him opportunity and next fall you will not the total exports of that year.

VIVION & ALEXANDER, PULTON, MO.

Preders of the best strains of Poland-China hope agreement and proposition to the best strains of Poland-China blood sired by 0.5. Chilef Tectmach 2d 22767, Prince Badley 1.1. It was found that with some rations the gains on pigs could be produced as low as 2½ cents per pound.

2. In all the tests where properly com
total was \$207,105,637, having thus doubled meantime and forming in 1899 17.2 per cent of the total exports of that year.

INDIANAPOLIS.

Month.

Top.
March, 1899... \$3, 88.

Average ... #4.20 \$3, 98. to \$4, 11

INDIANAPOLIS.

Month.
Top.
March, 1899... \$3, 88.

May, 1899... \$3, 90. to \$3, 93.

Nayerage ... #4.20 \$3, 98. to \$4, 11

INDIANAPOLIS.

Statement showing prices paid for hogs in the month of March at St. Louis, Kan-bit station conducted a series of experiment station conducted a series of experimen

March	1	Γc				k S		
	Acces	 84	95	84	85	to		921
March	2		05	4	85	to	4	96
March	3	 4	9216	4	80	to	4	90
March	5	 4	971	4	80	to	4	95
March	6	 4	95	4	80	to	4	921
March	7	 5	00	4	85	to	4	971
March	8	 4	9712	4	85	to	4	95
March	9	 5	06	4	90	to	4	971
March	10	 4	971/2	4	90	to	4	95
March	12	 5	021/2	4	90	to	5	00
March	13	 5	05	4	90	to	6	00
March	14	 5	05	4	85	to	4	95
March	15	 5	073/2	4	90	to	5	00
March	16	 5	121/2	4	90	to	5	021/
March	17	 5		5	00	to		10
March	19	 5	15	4	95	to	5	10
March	20	 5	15	4	90	to	5	06
March	21	 5	121/2	4	90	to	5	00
March	22	 5	15	4	95	to	5	10
March	23	 5	25	5	00	to	5	10
March .	24	 5	25	5	10	to	5	15
March !	26	 5	20	5	00	to	5	121/
March	27	 5	30	5	071/2	to		20

A chimney ought not to break any more than a tumbler. A tumbler breaks

Macbeth's "pearl top" and 'pearl glass''- they don't break from heat, not one in a hundred; a chimney lasts for years sometimes.

Our "Index" describes all lamps and their proper chimneys. With it you can always order the right size and shape of chimney for any lamp. We mail it FREE to any one who writes for it. Macseти, Pittsburgh, Pa.

\$4 82 to \$4 92

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He has proven a first-class sire and ought to head a good herd. He is guaranteed all right in every respect. For full particulars
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7 October Boar Pigs by M. B. C. 19399. Good enough for herd headers. Also Fall pigs of either sex, by A's Chief 21014 and others, equally well bred. B. P. Rock eggs from best matings at

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approval. out of dams
by MeWilkes 2d. Chel
is sired by Colman I Know by Chief I Know. dam by Governor Norman J. Colman, Alsc Lange
Btar, by the \$400 Star Pointer, by Look Me Over, dam by Chief Tecumseh 2d. Write me.
W. L. BIGGERSTAFF, Lathrop, Mo.

Poland-Chinas of Most Popular Strains

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Stock for sale at all times at very reasonable prices. I can suit you.
Write me for Catalog and prices. R. D. BURNHAM, CHAMPAIGN, ILL

FINE BERKSHIRES
Of the best families at farmers' prices. Write for what you want, or what is better, come and inspect the stock.
W. H. KER, Prairie du Rocher, Illinois.

Bargains in Berkshires at Sunnyside. 100 HEAD to spare at reasonable prices. 10 boars ready for service. A nice lot of yearling so welther open or bred. Silver Laced Wyandotte eggs for hatching at \$1.00 per 15: also a few nic Cockerels for sale at \$1.00 each. We can sult you in price and quality. d Write us at once.

HARRIS & McMAHON, Lamine, Missouri.

FOR SALE OR TRADE!

Sire the \$5,600.00 boar, dam Daisy Blain. My Herd Headers—Chief's Model Dawey 21687, sire Chief Tecumesh 2d. dam the world's famous sow Anderson's Model. Chief's Eclipsed 22489, son'd the \$500.00 Mo.'s Black Chief, dam Star Face beauty. My sows are as good as the Poland-China breed affords. Pigs. any age, in pairs or trios, no kin. if you want good ones at reasonable prices try.

W. B. CROOKS, Eight Mile, Cass Co., Mo.

FOR SALE, SOY BEANS. Northern grown, acclimated. POLAND-CHINAS—Boy Wilkes, Black Chief Tecumseh, Perfection Chief in service. Sows bred or unbred. A few extra choice young boars. Mammoth Imperial Perin Ducks. Write us. OHENOWETH BROS., Lathrop, Clinton Co., Mo



\$3.98 to \$4.10

\$3 87 to \$3 98

KANSAS CITY.

CHICAGO.

The Shepherd.

ORIGIN OF THE SHEEP.

prung, some asserting the muflon (Ovis sprung, some asserting the munon tovis
musimon) of Barbary, Crete, Corsica, Sardinia, and the islands of the Grecian
Archipelago to be its origin; others, the
argall (Ovis animon) of Siberia; while
others, again, consider it likely that more
than one wild species have commingled to
form the numerous domestic breeds. But
when we convider that for several thous-

when we consider that, for several thous-and years, the sheep has been subject to the dominion of man, and undergone many modifications, we cannot help doubting as to the recognition of a primdoubting as to the recognition as a photo-titive type; nay, it even may be doubted whether such a type can be found at pres-ent in any existing race. Whatever may have been the type of our common sheep, however, there can be no doubt that they are naturally mountainous animals. For, if left to themselves, it is always observed

that they prefer hillsides and rocky moun-tains to valleys and low plains; and, in the fermer situations, they thrive better, although they acquire less flesh than on more luxuriant soils. The original color of the sheep was undoubtedly dark-brown, and the change from this shade to white must have been the work of skillful breeding and of time. Most writers on sheep impute, and per-haps justly, the first improvement in this respect to the skill of Jacob. However respect to the skill of Jacob. However, this may be, white flocks were seen at an early date, and in Western Europe have long been universal; still, however, as if to show that nature, though controlled, is not to be subdued, we see lingering traces of the dark in' many of our breeds, this reolor prevailing about the face and on the long to the property of the subdued of the seed of the dark in' many of our breeds, this property and the seed of the subdued of the seed of the subdued of the seed of the see color prevailing about the face and on the legs; and now and then a black or dark-shaded lamb may be noticed in the midst shaded lamb may be noticed in the midst of a snowy flock, indicating by its pres-this case I have taken a narrow plank off

of a snowy flock, indicating by its presence how easy would be the transition from the acquired but common color of our races to that of their primeval progenitors.

The causes which have rendered the fleece of the common sheep what we now find it are involved in obscurity. It must be that in the early ages of man's history the shepherd selected for breeding those individuals on which the wool predominated, and that, by following up this system, the sheep gradually attained its present condition, so that the wool-bearing breed became at length permanently established. Originally, perhaps, the sheep, then a wool-bearer, and long domestications. Editor RURAL WORLD: Of all domestic animals the sheep is that of which we find the earliest and most frequent notice in the Sacred Writings as being intimately associated with some of the civil and religious institutions. It was the custom to give names to sheep, so that when the shepherd wished to remove the flock he called them by name and they immediately obeyed. It would seem that in large flocks it was only a powerful. the shepherd wished to remove the flock the called them by name and they immediately obeyed. It would seem that in large flocks it was only a portion of them, probably the leaders, which were so docile as to come at the call, and it was perhaps to come at the call, and it was perhaps thus conspicuous in the midst of their white-fleeced companions.

As to the origin of the domestic sheep, it is given that we cannot identify it with

to come at the call, and it was perhaps quite enough that a few should be sure to imitate the example. Christ, in reference to Himself as the odos Shepherd, says: "The sheep hear his voice, and he calleth his own sheep by name, and leadeth them out; and he goeth before them, and the sheep follow him, for they know his voice." This custom still prevails in Greece, and in many parts of the East. As the sheep existed in the primordial era of man on the globe, we must look to Western Asia as its original habitat. From this center it has more or less gradually spread by human agency, and, influenced by climate, food and treatment, it has ramified into numerous variations, differing so widely from each other in external form and covering, that we know not which of them to regard as most characteristic, most indicative of the original type, from which our present races have descended. Naturalists have entertained themselves with conjectures as to a wild species and the calleth. The proprietor of this remedy has the confidence to go into the pens and make a thorough test of the medicine, under the supervision of experts appointed to examine the hogs upon which the test is made, and see that the disease is genuine with the accounts of battles, massacres, with the accounts of battles, massacres with the accounts of

SHEEP EXPERIENCES drop their lambs in February; the balance being last year's lambs, I did not breed them till later. I think but few of them will bring lambs. Thirty-five of the old sweet dropped 51 lambs. I lost four of the 51. The other three old ewes failed to drop their lambs on time. I notice in a late issue of the RUBAL

WORLD a reference to my article by Mr. Owen Owens of Arkansas, asking for more of the same. I know that I have been benefited very much by the experiences of others given in these colu and I agree with Mr. Owens that there is too little said on the sheep question. In the last issue or two I notice the question asked, "Why do my lambs die

when three or four days old?" When my when three or four days old? When my ewes first began dropping their lambs, I soon saw that the lambs were beginning to look bad and were becoming very weak. I caught the ewes, made an examination and found there was no milk in the udder The ewes were perfectly dry. I had been feeding corn and fodder, about two ears of corn per head each day. I went to

sheep lot I have a house, 16x14 feet, in which I put a long, narrow trough; nar-

HOG CHOLERA.

It is generally understood by the public and the swine breeders especially that hog cholera is a disease that cannot be cured, but of recent years we have had reports of some very extraordinary cures,

Use Rock Salt for Brine, Pickles, Hides, Meats, Ice Cream, Ice Making, Fertilizing and Refrigeration.

USE

GROUND ROCK SALT FOR STOCK LYONS & KANOPOLIS, KAN.

PUREST, MOST HEALTHFUL, BEST. HIGHEST AWARDS AND MEDALS FOR PURITY, WORLD'S EXPOSITION, CHICAGO. 1893; TRAN-MISSISSIPPI EXPOSITION, OMAHA, 1899

WESTERN ROCK SALT CO., ST. LOUIS, MO.

The Markets

WHEAT—No. 2 red sold at 78c this and E. side; No. 3 red at 70%71c and choice skd. lots at 72½; No. 4 winter at 62%86; No. 2 hard at 64½665½; No. 3 do. at 61½c for lots; No. 3 do. at 61½c for lots; No. 2 soft spring at 64; No. 3 do. at 61½c for lots; No. 2 do. at 61½c for lots; No. 2 do. at 61½c for lots; No. 2 do. at 61½c; No. 3 at 30½c; No. 2 white at 46¢c; No. 2 white at 46¢c; No. 2 white at 46¢c; No. 2 white at 25½c; No. 2 Northern at 26%25½; No. 2 at 25½c; No. 3 do. at 27½c; No. 2 white nominally 25½c; No. 3 do. at 27½c2%c, latter outside race; No. 4 do. at 27½c27%c, latter outside race; No. 5 do. at 27½c27%c, latter outside race; No. 6 do. at 27½c27%c, latter outside r

Stogi2.

GRASS SEEDS—Clover \$2.50 for poor to \$7.10 for choice; red top 50c@\$7; German millet \$1.50; Hungarian 70cg90c; millet \$1.05 for white; timothy \$202.15.

CLANSEED—Nominally \$1.69.

CLASTOR BEANS—Nominal at \$1.12 per

CASTOR BLASS-WOMBAR (\$1.20 PK), for car lots prime on trk. HEMPSEED—\$3 per 100 lbs. STOCK PEASE—Whippoorwill \$1.30@ 5 ner bushel.

PRODUCE.

EGGS—Choice fresh eggs sold at 9%c, loss off. Duck eggs were firm at 12%c and goose eggs at 35c a dozen.

HUTTER—Creamery—Extra 21c; firsts 20c; seconds 18c. Dairy—Extra 186/19c; firsts 16/6/18c; grease 46/5c. Process 19c. Ladle-packed—Extra 18c; firsts 17c. Country—Near-by roll 1/6c; inferior roll 12/6/13c; nacked 13c.

Ty-Acardy packed 13c. Quote: Twins at 13c; singles 2c; Y. A. 13½c. Illinois-Twins 9@10c; singles at 9@10c; Y. A. 9½@10c; N. Y. full cream 12½c; Limburger 11½c@12c; Swiss, 15@16c; brick 11½@12c. Foregoing are job-

singies at 3ginc; 1. According to the control of th

Market dull and lower.	
Missouri and Illinois-	
Med. combing201/	20121
Med. clothing20	
Braid and low	@19
Burry and clear mixed	@18
Burry15	@16
Hard burry125	2@13
Light fine	@16
Heavy fine13	@14
Kansas and Nebraska-	
Bright medium19	
Dark medium	@18
Fine medium17	
Light fine 15	@16
Light fine	@13
Angora goat10	@20.
Texas, I. T. and Southern-	
Medium 19	
Do. fall clip 17	@18
Coarse and low14	@15
Fine medium 15	@18
Light fine	@16
Heavy fine	2013
Southern hard burry	111/2
Arkansas-	
Med. (fleeces) 20	
Med. (loose)17	@18
Burry14	@15
Hard burry 12	
Fall clip 17	@18
Tubwashed-	
No. 132	
No. 2	@28
Parry	@23
Black, from 3c to 5c per 10. less	than
above prices.	

wear coats. Undershirt and top shirt with west is all that I wear here for ten and a half months of the year. The farmer evidence that he has great faith in his skill. And when hundreds of prominent men and women freely teality to his unusual skill and the superiority of his New Individual Treatment, his liberality is certainly worthy of serious consideration.

LIVE STOCK.

ADDITIONAL LIVE STOCK MARKETS ON PAGE 4.

A CALIFORNIA LETTER.

Editor RURAL WORLD: Will you indly allow me through the medium of kindly allow me through the medium of your valuable paper to answer some of the many questions now being asked in in regard to this, Kings Co., California. Kings County is called "Baby King," because it is the smallest county in California. It is in the heart of the San Joaquin

May, making alfalfa hay, cultivating orchards and vineyards; June, cutting al-falfa and grain, hay and planting corn and picking ripe apricots; July, picking peaches and heading wheat, barley, and cutting more alfalfa hay; August, gathering pears, hauling grain to warehouse, continuing same till September 20. Then we begin to pick grapes and dry raisins; October, turn raisins, take up off the tray the green grapes (these are first laid on when they come off the vine), and putting the dried raisins in large boxes $2\frac{3}{2}x^3$ feet and 10 inches deep, called a sweat box. When we begin to pick grapes we also begin to we begin to pick grapes and dry raisins: begin to pick grapes we also begin to

Editor RURAL WORLD: This is the which can be made here for much less sprouts below the surface. Planting large tubers with few eyes is important in dry sections. Five inches is deep enough in heavy soil well worked, and about seven inches in the lightest. The cultivator can follow the rows soon after planting and the harrow used shortly after it. Harrowing must be omitted when the potatoes are coming up as the sprouts are then too brittle. Cultivate as soon as visible, leaving little furrows near the rows. When up well enough to be tough, harrow again, running across the rows. This breaks up that comparative ridge in the row and kills the little weeds. The teeth of the harrow must be perpendicular at this working as they will catch the plants and pull them up when slanted. The same pen, add harder to sell. I doubt its making extra work, however, as it can be so nearly elected by before it is planted. Several April is a colored here of the "Ledger Monthly" for large work, however, as it can be so nearly elected by here it is planted. Several April is a colored picture of early spring.

cept for being harder to cultivate and harder to sell. I doubt its making extra work, however, as it can be so nearly market was in excellent condition. The buying force was large, representing all regular elements, and the week begins with a very strong and buoyant tone. Under the circumstances, it was a most satisfactory market; still, the quality could have been better to advantave. Eastern orders for all decent classes of chunks were in liberal force, and there were new foreign commissions in the market. Trade on farm animals was active and urgent of the mid-summer. Many people who will not buy them ought to grow enough every year to use. That "the poorest land is best for them" is a mistake. Early drainage is what puts them ahead on sand. Six weeks after planting on heavy land one very wet spring I examined some of mine, and found the bottom roots all rotted off and now ones formed at the surface. Old spile, large quotations:

Horse quotations:

Here quotations:

Here quotations:

Here quotations:

Here common to good \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 to \$800. Saddlers—Common to choice, \$75 to \$100; bulk \$100 to \$125; coach horses, \$130 wood, as chips, twigs or sawdust gave the

southern Horses—Common to good \$35

Southern Horses—Common to good \$35

Variable State Sta raised here for market. The lands are well adapted to grazing. This state is in the great coal and oil

ANTHONY MONTROSE.
Tucker Co., W. Va.

"THRESHING COW-PEAS."

Co., Mo., writes the RURAL WORLD as private letters received from parties changes I made in my threshing machine, throughout several of the eastern states but can say that after several days ex-perimenting I did make a perfect success. I threshed 40 bushels, taking them all out of the pods clean; cleaned the grain nicely nia. It is in the heart of the San Joaquin Valley. The resources of this little county are wonderful. Its fruits are peaches, pears, apples, apricots, nectarines, plums, prunes, cherries, oranges, some lemons, limes, olives and raisins. Wheat, oats, barley and corn are raised. All kinds of vegetables are grown, with a variety of nut-bearing trees.

Beginning with February 1 of each year, pruning vines and trees and burning brush is in order; in March, plowing; April and May, making alfalfa hay, cultivating orchards and vineyards; June, cutting alfalfa, and strain have and trees and burning brush is in order; in March, plowing; April and May, making alfalfa hay, cultivating alfalfa, and strain have and a san beneficial effect, fully equal, I think, to the benefits derived by clover-raisling. with very few cracked kernels in the lot

"Stock have wintered well and are now running out to grass, and are in better condition at this time of the year than

LITERARY NOTES.

In the magnificent Congressional Libra

"The Real Thrums of Barrie" is to be one of the features of the May "Ladies" Home Journal." It is a most charming picture of Mr. Barrie and his beloved Thrums, penned by Miss Mary B. Mullett, making whose profound admiration for Thrums, penned by Miss Mary B. Muilett, a writer whose profound admiration for the author led her on a pilgrimage to Thrums. She chatted of Barrie with his neighbors and with the prototypes of his characters in "A Window in Thrums," Bayder, G. P. A., Frisco Line, St. Louis. himself. She writes of all these with a freshness and enthusiasm which bring Barrie and his home into realistic view, a picture full of spirit, atmosphere and action-literally a moving photograph

Mule quotations: (For broke mules, 4 to Mules quotations: (For broke mules, 4 to Mule quotations: (For broke mules, 4 to Augustions: (For broke mules, 4 to Mules quotations: (For broke mules, 4 to Mules quotations: (For broke mules, 4 to 7 years old).

Well adapted to grazing.

Well adapted to grazing.

Well adapted to grazing.

This state is in the great coal and oil basin heds of iron ore, silver and lead have been discovered but not in paying quantities. While we cannot boast of our great farms, we can boast of our forests and solik of sales. 70.00 to 80.00 to 15½ hands, extreme range. 60.00 to 80.00 to 15½ hands, bulk of sales. 70.00 to 80.00 to 15½ hands, extreme range. 50.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 16½ hands, bulk of sales. 70.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 80.00 to 16½ hands, bulk of sales. 70.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 70.00 to 80.00 to 16½ hands, bulk of sales. 70.00 to 80.00 to 80.00 to 16½ hands, extreme range. 60.00 to 80.00 to 16½ hands, bulk of sales. 70.00 to 80.00 to 80.00 to 16½ hands, bulk of sales. 70.00 to 80.00 to 160.00 to 16 gold-mining is a cold-blooded business proposition. "The Indian Congress," by Wade Mountfortt, is a pathetic picture of the last days of a dying regime. "Our Congressional President," by George Le-land Hunter, is an article worth much onsideration. The author places the

"Everybody's Magazine" for April pr sents a very attractive appearance, and its contents are of especial value and in-terest. The second article in the series, 'Great American Industries," treats of the enormous steel works of the Carnegie Company, near Pittsburg, Pa., and exains in a bright and interesting fashion in what manner this company will make this year profits exceeding \$40,000,000. The fourth in the series of "Simple Explana-tions," takes up a fascinating subject, and one which has undoubtedly been mystery to nine-tenths of the magazine readers; that is, the method of navigating ship by observation of the sun and stars. For a difficult mathematical sub ject, this method is explained in a singularly lucid fashion, and appears to be very simple after all.

ABOUT HOG CHOLERA.-A good many years ago the Wm. Hall Medicine mpany secured a far-reaching repute for a cure for cholera in hogs and they claimed their medicine to be cure but also a preventive of this terrible plague. Since the remedy was originally made, many breeders and farmers, who had small bunches of hogs, have used it, and the company have a large number of strong testimonials from those who have either cured their herds or rendered them immune to the cholera. This medicine can be had as made from the original formula and its efficiency is to be pended on with the same reliability.

tal is in the use of Japanese labor and erson. Iowa, have been in the seed or Editor RURAL WORLD: This is the season of the year when farm operations are crowded. Planting, which, of all things, cannot be put off, is added to regular work. Potatoes should be planted early and deep. Their wasting capital will then be stored in immense, thick sprouts below the surface. Planting sprouts below the surface. Planting sprouts below the surface. Planting than in the United States. The Japanese than in the United States. The Japanese than in the United States. The Japanese have known this in the past and have shown this in the past and have shown this in the past and have shelled, so as to be sure it is A 1 seed

> THE MORRISON MANUFACTURING COMPANY, of Fort Madison, Iowa, come to our advertising columns with this issu in an attractive card emphasizing th value of their Famous Heel Plate, which is used only with the Morrison plows. For the especial advantages of this device, please refer to the advertisement and write for their beautifully illustrated free "Book on Plows," mentioning this

half pint of sulphuric acid into a quart of water and rub the mixture on the rusty parts, scour and wash off with water advisable to pour the water into the acid.

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- half of half of the first safe. 1 day 48: 2 day, \$15: 3 day. half doz. bottles \$5; 1 doz. \$8; 2 doz. \$15; 3 doz. \$ Address, Wm. HALL MEDICINE CO., 310 N. Main St., St. Loui



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HEREFORD AUCT

At Homestead Farm, Moweaqua, Illinois,

Thursday, April 19th, 1900. 60 HEAD OF REGISTERED HEREFORDS, 30 Bulls from 10 to 22 months old; 30 Females, unbred, bred and some with calves at foot, will be sold to the highest bidder.

Binch. From to to to per th. test where the property of the thickness prices.

Will Sent 82.50 Free Will Sent 82.5

THE WORLD FAMOUS "FAIRVIEW HERD" OF F. A. NAVE, ATTICA, IND. The Tops of America and England go at Public Auction at

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THE RICHEST OFFERING on record. The Champion Dale 66481, his champion son, "Perfection" and champion daughter "Theresa;" the \$2,500 imported bull "Viscount Rupert." 25 bulls, from calves to four years old, consisting of Show Bulls, Champion Bulls, and Bulls fit to head any herd. 95 females, from calves to Matured Cows, Show Cows, Champion Winners, Royal Winners, Grand Breeding Cows and Choice Heifers and Calves. Show Stock, of all ages, galore. Every animal guaranteed ment, his liberality is certainly worthy of serious consideration.

The Doctor's new system of treatment is the ordinary methods.

As all afflicted readers may have \$2.50 or cache case, FREE, with full directions, we would advise them to send for a Copyright-cache case, FREE, with full directions, we would advise them to send for a Copyright-cache case or fall Examination Chart at once. Address Heat once Address Remember the date, April 17-18, at Chicago. Come and see the Champions of America go under the hammer. Catalogs ready, apply to

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Is twenty-eight hundred miles from Seattle, with cull with a complete via consisting of Show theory is consistent of the statement will leave Seattle on read any herd. 95 females, from calves to Matured Cows, Show Cows, Champion Winners, and Bulls, Champion Bulls, and Bulls fit to head any herd. 95 females, from calves to Matured Cows, Show Cows, Champion Winners, and Breeding Cows and Choice Heifers and Calves. Show Stock, of all ages, galore. Every animal guaranteed way 10, 1900. For full particulars, maps, etc., address Geo. H. Heafford, General Passenger Agent, Chicago, Milwaukee & St. Paul Railway, Chicago, Ill.

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